LIFE

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OCTOBER 29, 1956

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- New king-size cap
- Easy-to-use, hard-to-lose
- Tube stands upright

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This One

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Vol. 41, No. 18

LIFE

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October 29, 1956

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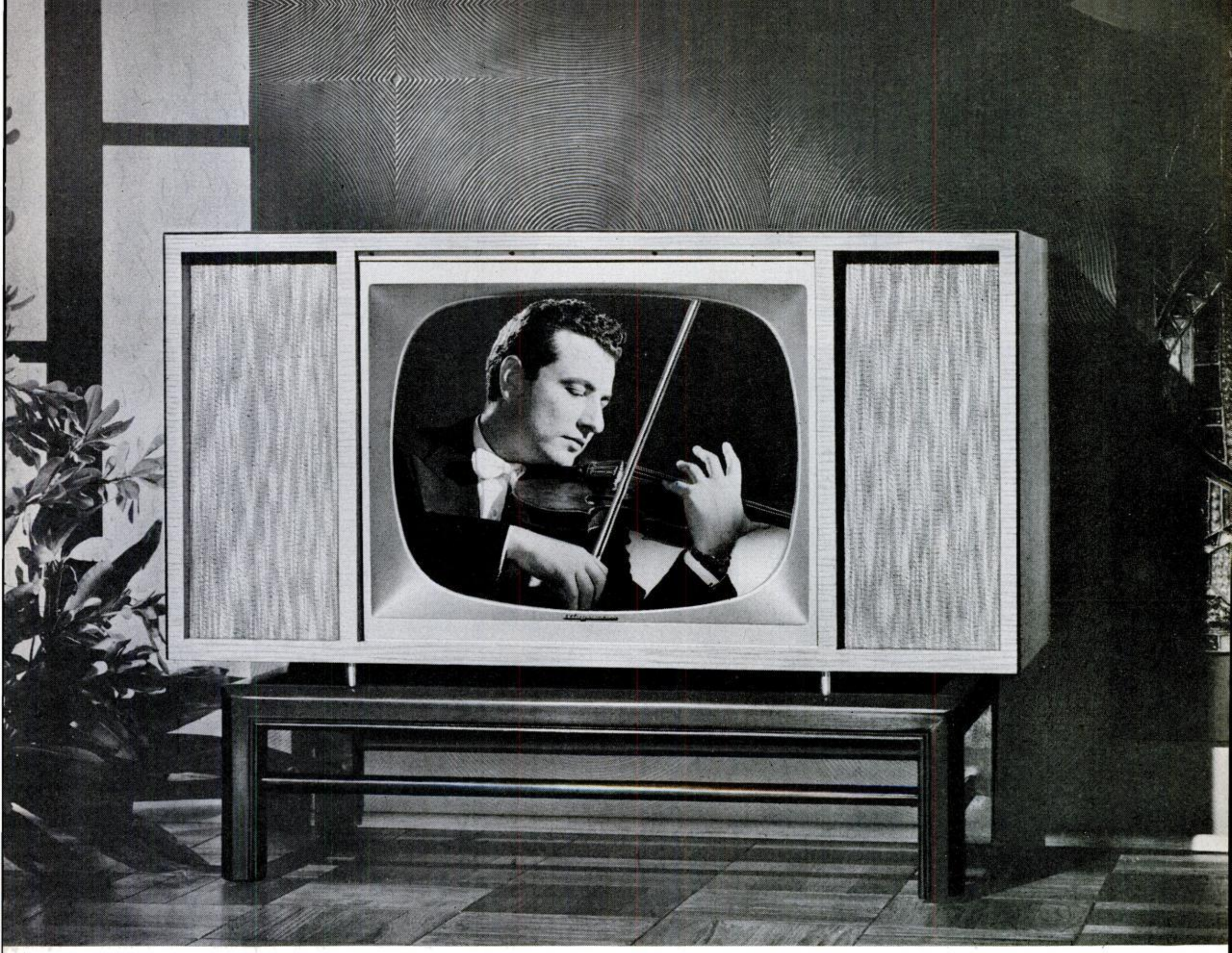
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OCTOBER 29, 1956

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VOLUME 41
NUMBER 18



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the magnificent

Magnavox

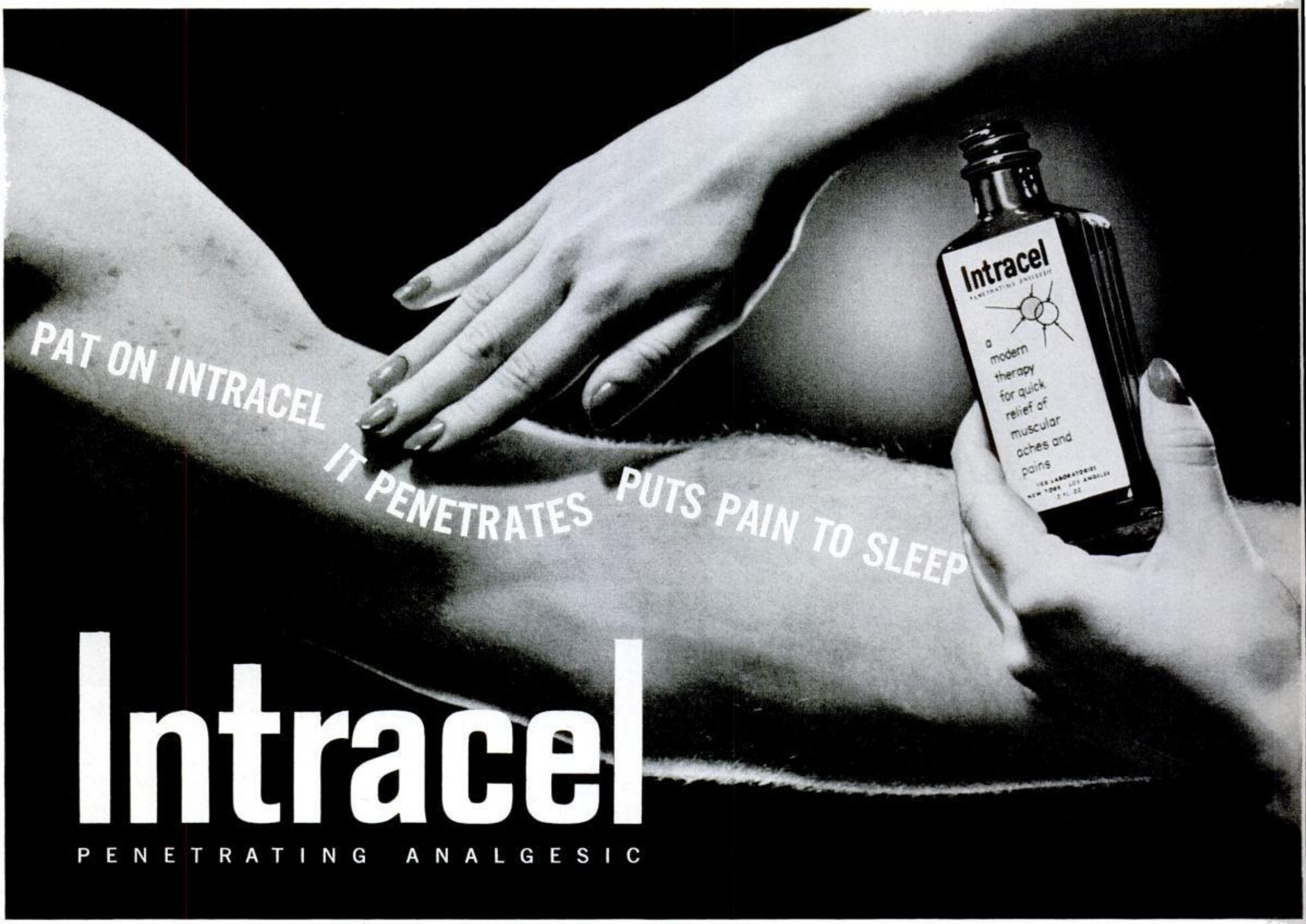
Here is exciting new Stereosonic Sound—the sound that surrounds you from four high fidelity speakers and the only dual-channel amplifier in television. Here, too, is a living picture—none clearer, none finer. This is Videorama, real as life.

Now Magnavox gives you the most thrilling achievement in fine television instruments—the first and the only *high fidelity* television. The Videorama shown here is housed in a distinctive fine-furniture cabinet that represents a smart new idea in horizontal design. The large 21″ picture (diagonal measure) has a chromatic optical filter and reflection barrier which eliminate washout from lights and glare. Top-tuning controls are concealed by a sliding panel. Optional: superior Magnavox remote control that controls *everything* from where you sit—channel, on-off, volume, brightness, fine tuning. A memorable experience in both sight and sound—the Videorama, in hand-rubbed Syntex mahogany color finish, $339.50 (VHF).

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for muscular aches and pains



Now for the first time—a cool, soothing liquid that penetrates through the skin and into the tissues to give direct relief

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Western Electric always takes special care in making Bell telephone equipment whether dwarf components, telephones for your home or dial switching apparatus. It is no accident this equipment works dependably year after year . . . we plan it that way. We are a part of the Bell System and so we are interested—just as your Bell telephone company is—in providing you with good, dependable telephone service.

View of miniature component assembly area, Allentown, Pa. Works

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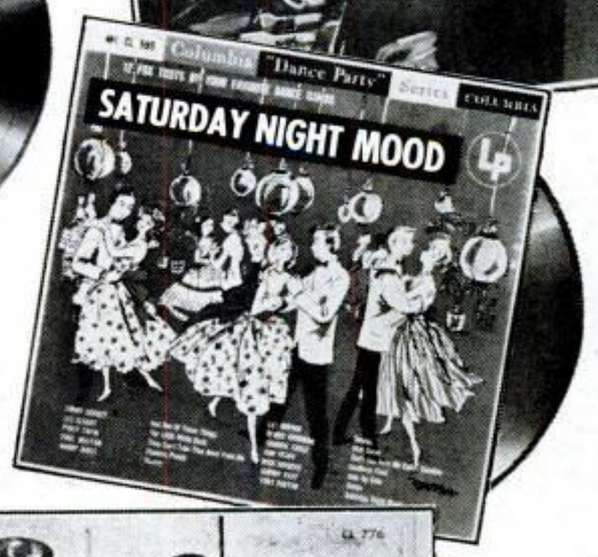


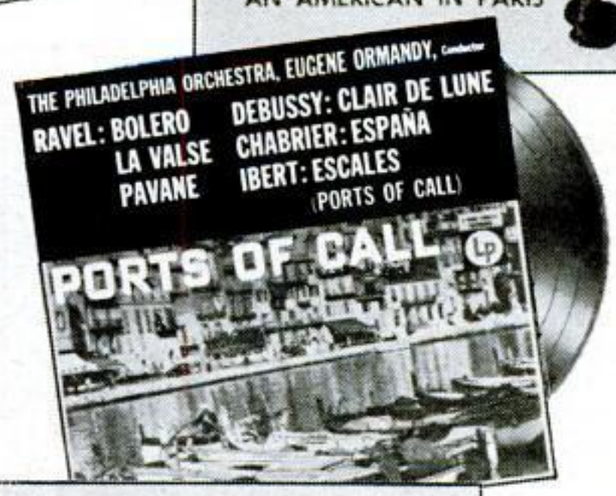




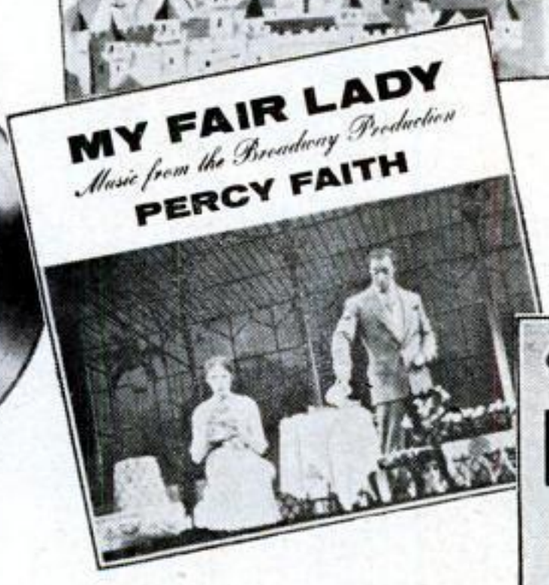
















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☐ **The Voice**
Frank Sinatra sings 12 popular numbers—*Fools Rush In, I Don't Know Why*, etc.

☐ **King of Swing: Vol. I**
Benny Goodman and Original Orch., Trio, Quartet. *Ridin' High, Moonglow*—9 more.

☐ **My Fair Lady**
Percy Faith and his Orchestra play music from this hit show.

☐ **Brahms: Double Concerto for Violin and 'Cello; Variations on a Theme by Haydn; Tragic Overture**
Stern, violin; Rose, 'cello; N. Y. Philharmonic, Walter cond.

☐ **Songs from Walt Disney's Magic Kingdom**
12 happy songs from *Snow White, Dumbo, Pinocchio*, etc.

☐ **Jazz: Red Hot & Cool**
Dave Brubeck Quartet in *The Duke, Love Walked In*—5 more.

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3 works—*Rhapsody In Blue; Concerto in F; American in Paris.*

☐ **Saturday Night Mood**
12 popular bands play favorite dance music. Jimmy Dorsey, Les Elgart, Les Brown, Sammy Kaye and others.

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European Concert Recordings by the great Louis Armstrong and his All-Stars—*Tin Roof Blues, All of Me, Muskrat Ramble*, etc.

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One of the responsibilities which parents feel most keenly is that of giving medicine to a child. To be sure, there are times when circumstances would seem to justify trying a course of treatment that worked well during a previous illness . . . and which seems safe enough to repeat without consulting the doctor.

At such times, parents should recognize that they probably cannot answer these fundamental questions:

Is the child's illness the same?
Should the dosage be the same as it was?
Has the medicine lost its potency?

Many illnesses have symptoms in common. What may seem like a familiar and none-too-serious symptom to you, could be something else requiring an entirely different form of treatment.

Medicine given under a physician's supervision is a *known* remedy prescribed for a *known* condition. That's why checking with your doctor is the better part of wisdom. And that's why getting prompt and proper medical care may well turn out to be one of the biggest bargains of your life.

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Tabcin . . .
far better than aspirin for relief in Colds and Sinus Headaches

TABCIN is better because it gives you TWO analgesics (pain-relievers), plus an effective antihistamine. The action of the TWO pain-relievers is such that each assists the other. The antihistamine further helps counteract irritation and swelling in the sinus passages, and all three combine to provide a more complete degree of relief. The result is exactly what you want when you have a cold or stubborn sinus headache—relief that is far more effective.

TABCIN is better because its special *compound* formula "broadens" the area of relief in colds. Besides the effective relief it gives for sinus headaches, TABCIN *also* works to check sniffling, sneezing, watery eyes, nasal drip, feverish feeling, throat irritation and the aches and pains of a cold.



also...

RELIEF! FOR ALLERGIC DISCOMFORTS

The particular antihistamine-analgesic combination you get in TABCIN relieves such allergic discomforts as: itching and watering of eyes, sneezing and coughing, itching and profuse discharge of the nose, irritated throat and headache. The favorite of many for relief in hay fever and rose fever!

RELIEF! FOR "OBSTINATE" HEADACHES

Yes, and sinus headaches often are "obstinate". TABCIN, with its antihistamine and TWO analgesics, offers a far more effective kind of relief for this sort of headache.

RELIEF! FOR PAIN AFTER DENTAL WORK

The combination formula of TABCIN is of particular value in relieving the pain that lingers after dental work.

RELIEF! FOR PAIN AND "ON EDGE" FEELING OF "ONE OF THOSE DAYS"

Women appreciate the soothing relief TABCIN offers for troublesome functional menstrual pains.

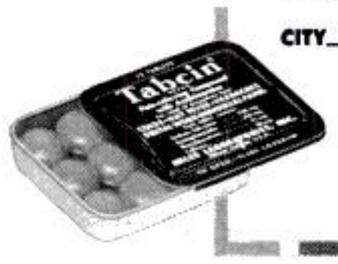
SAVE 25¢—CLIP COUPON

This coupon is worth 25c toward the purchase of either 50c or 90c-size package of TABCIN, when presented at your drug counter. Offer expires December 31, 1956.

YOUR NAME_____

DRUGGIST'S NAME_____

CITY_____ STATE_____



NOTE TO DRUGGIST: This coupon will be redeemed promptly by Miles Laboratories, Inc., Dept. L-1, Elkhart, Indiana.

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LISA KIRK

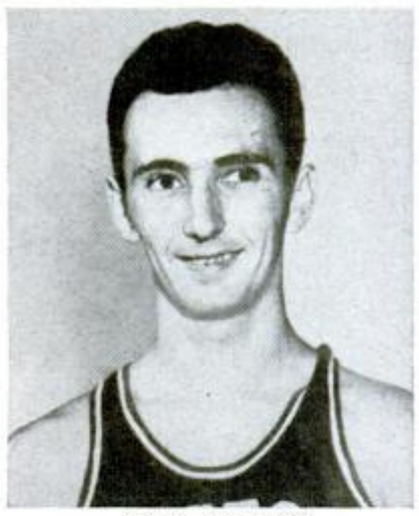


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Birmingham, Ala. Pizitz
Boston, Mass. Raymond's
Brockton, Mass. Edgar's
Butler, Pa. The Hub
Cambridge, O. Fred Raymond Co.
Champaign, Ill. Field's
Charlotte, N. C. Marion Davis
Chattanooga, Tenn. Effron's Dept. Store
Chicago, Ill. Goldblatts
Cincinnati, O. John Shillito Co.
Cody, Wyoming Cody Trading Co.
Colorado Springs, Colo. Balows Clothing
Columbus, O. F & R Lazarus Co.
Coshocton, O. The Buckeye
Danville, Ill. Meis Bros.
Dayton, O. Metropolitan Co.
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Detroit, Mich., Royal Clothes of Detroit
Douglas, Ariz. Levy Bros.
Duluth, Minn. Saeks
Durango, Colo. Poer's Clothing
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Jacksonville, Fla. The Young Men's Shop
Jamaica, N. Y. Gertz Dept. Store
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Kansas C. R. Anthony Stores
Kokomo, Ind. Ralph Golightly
Lakeland, Fla. Moore's Style Shop
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Miami, Fla. L & L Men's Shop
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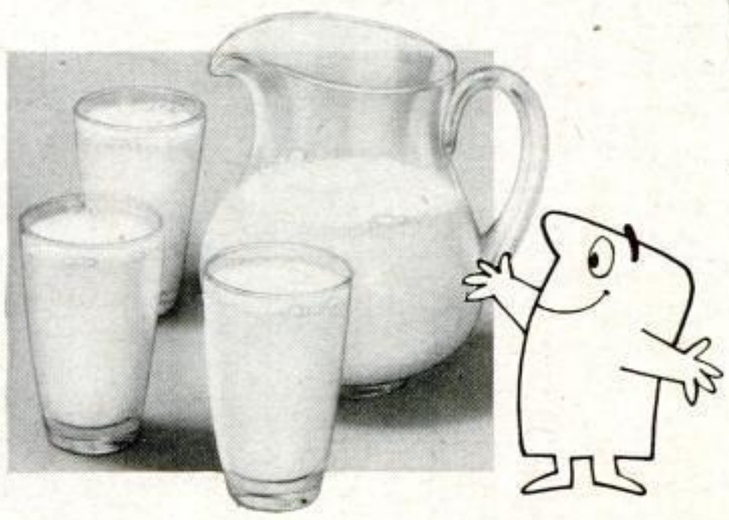
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Wire photograph of Georgi Malenkov in one of his happier moods

"Thank you, America, for what you're doing to your railroads!"

We're not alarmists, but the current plight of America's railroads must give quite a chuckle to the men in the Kremlin.

Our railroads, after all, are our first line of transportation defense. *In World War II they carried 90% of all military supplies, and 95% of all military personnel.*

And right now the railroads are having a rough time handling present demands—to say nothing of what they'd be up against in a national emergency.

At this very moment the nation is suffering from a shortage of over 100,000 freight cars.

You may not realize it, but the situation is so serious that our farmers and other producers can't get their products to market. Boats have been tied up in harbors for days on end, waiting for freight cars to unload their cargo.

What would happen if the Suez crisis suddenly burst into flame? What would happen if the Reds suddenly struck somewhere else?

It's not a pleasant thought. The bald truth is that our railroads are being starved to death through political regulation. They lost over a half *billion* dollars last year on their passenger business alone. They are fighting for their lives in the face of *subsidized* competition from highly prosperous users of airways, waterways and highways. They are being hit right and left by murderous and discriminatory taxes.

The Central's answer: 17,000 new freight cars

In spite of all these handicaps, the Central has ordered more than 17,000 new freight cars, at a cost of over $178,000,000. That's right—over seventeen *thousand* freight cars—enough to make a train that would stretch almost from New York to Washington.

You can bet they'll be a big help. But this is only the beginning of what we want to do and *would* do if we were allowed to stem our losses and run our business the American way instead of the Russian way. (The Russian way is without profit.)

Not until the railroads are allowed to make a fair return—just like America's retail stores, coal operators, manufacturers and public utilities—can we be expected to replace our worn-out equipment. (*More than one-third of U. S. freight cars are over 25 years old . . . and more than two-thirds of U. S. passenger cars are more than 25 years old!*)

Not until the railroads are allowed to make a fair return can we give the nation the truly modern railroad service that present-day technology makes possible.

And, far more importantly, not until then can our railroads be ready to meet any crisis that the Kremlin could precipitate.

New York Central Railroad

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LETTERS TO THE EDITORS

FREEMASONRY

Sirs:

Congratulations on your enlightening story on U.S. Masons ("Busy Brotherly World of Freemasonry," LIFE, Oct. 8).

The time, effort, personal sacrifices and financial outlay of these individual men toward their great and varied philanthropic endeavors can never be measured.

ORLEYNE GRAVES

Seattle, Wash.

Sirs:

It really does seem inconceivable that one out of every 12 adult American males is so juvenile that he allows himself to become entangled in the eclectic pageantry of Freemasonry.

While it is somewhat believable that the unsophisticated citizen might find color in "the Lodge," participation in Freemasonry as a moral-spiritual milieu by educated men or women is beyond understanding.

JANICE C. PRIES

St. Louis, Mo.

Sirs:

On page 120: "Any Catholic who takes Masonic oaths of secrecy that could run counter to the Catholic concept of the confessional has automatically excommunicated himself."

I know of no Masonic oaths a Catholic cannot take.

WILBUR F. CANNON

Davenport, Iowa

Sirs:

Catholics are forbidden to join Masonry for the same reason that they are forbidden by their belief to join a Protestant or non-Christian sect. Moreover, additional objection on moral grounds is made because no man can take an oath to maintain secrets or to perform works which he is ignorant of at the time of the oath-taking. Any such organization demanding that kind of an oath demands an immoral act.

THE REV. RICHARD H. TRAME, S.J.

Georgetown University
Washington, D.C.

Sirs:

Wherever you find Masonry flourishing you will find liberty flourishing also.

Many "liberators" of the world were Freemasons: George Washington, Garibaldi, Marti of Cuba, Simon Bolivar and O'Higgins of South America.

FRANKLIN KEMP

Atlantic City, N.J.

Sirs:

On pages 106–107 there is a beautiful color chart on the degrees. Does LIFE have any reprints?

HERBERT MACE HOOPES

East Los Angeles, Calif.

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Sirs:

There appears to be an error on page 109. The last line under the picture says, "Bible is on altar surrounded by Three Greater Lights."

This should read, "by Three Lesser Lights."

DR. DAVID M. BANDY

Temple, Texas

● LIFE was in error.—ED.

DIFFERENT BREED OF CAT

Sirs:

Thanks for the pictures on the new curly-haired breed of cat ("A Different Breed of Cat," LIFE, Oct. 8).

It is interesting to note that aside from the Manx cat which also first appeared in the British Isles, the "Rex" is the only breed of domestic cat to have originated in the West. All others—Siamese, Abyssinian, Burmese, Angora, Russian Blue, Persian—originated in Africa or Asia.



MRS. ENNISMORE

And how about a picture of the breeder of this phenomenon?

RAYMOND D. SMITH

Cats Magazine
Pittsburgh, Pa.

EDITORIAL

Sirs:

I have never heard the Republican program put in a better manner ("Why Independents Should Vote Republican," LIFE, Oct. 8).

Thank you for putting across to us independents the underlying facts of the machinations of the Democratic candidate, Adlai Stevenson.

HOWARD HAMILTON

Omaha, Neb.

Sirs:

In its lengthy editorial LIFE overlooked many of the major issues of the campaign. There was not one mention of foreign policy. But then perhaps LIFE finds it difficult to defend John Foster Dulles as he blunders his way around the world.

A. L. GREEN

New York, N.Y.

● Except for the H-bomb (*see Editorial*), LIFE does not consider that a clear foreign policy issue has emerged as yet.—ED.

Sirs:

"Why Independents Should Vote Republican" certainly epitomizes my thoughts.

Perhaps President Eisenhower's record is "too sane and too conservative to make for colorful boasting," but I believe people are awakening to the fact that colorful and "give 'em hell" attitudes are worthless and superficial.

People are beginning to think more about what is being said and whether it makes sense.

DONALD DONATT

Champaign, Ill.

Sirs:

LIFE's articulate plea for Ike's "new Republicanism" leaves me with the feeling that it is nothing more than the old Republicanism dressed up again in its usual election-year best.

MORRIS ALIN

New York, N.Y.

A PRODIGY FOR HARVARD

Sirs:

You told of a 12-year-old boy, son of a college professor, who has just entered Harvard ("A Prodigy for Harvard," LIFE, Oct. 8). What about William James Sidis, also a professor's only son, who if I remember correctly entered Harvard at 13, about 40 years ago? What ever became of him?

R. M. HARPER

University, Ala.

● Sidis entered Harvard when he was 11 and amazed professors with his fourth-dimension theories. He was an adding machine operator before his death in Boston in 1944.—ED.

TALL MAN'S PLIGHT

Sirs:

"The Happy Plight of Unusual Height" (LIFE, Oct. 8) was fun. I thoroughly enjoyed seeing all my little troubles portrayed so vividly.

JACK CASEY
(6′7″)

St. Louis, Mo.

Sirs:

Further observations on being tall: Standing flat-footed, you can paint the kitchen ceiling. Your chest X-rays are taken in two sections, upper and lower. Long ago, we were fined 10¢ each for striking matches on college dormitory walls. But authorities never examined the ceiling in my room.

W. R. BENSON
(6′5½″)

Dallas, Texas

Sirs:

My most frequent and painful trick is walking into the pneumatic door stops found on the tops of doors.

NORMAN DAYTON
(6′6″)

New Brunswick, N.J.

Sirs:

I roared with delight over the discomforts of your tall man who is 6 feet 6. I am 4 feet 11 inches. When I shave, all I see in the mirror is the top of my head. While riding in elevators I am always on guard for fear of an elbow in my eye. My size 4½ shoe must be purchased in large stores' boys' departments.



SEGAL AND SHOTZ

I can never assume the familiar one-foot-on-the-rail position at a bar. I am better off with both feet on the rail so that I can see the bartender.

Here is a shot of "Hy" Segal, the biggest insurance agent in our company, and myself, no doubt the smallest agent in the business.

STANLEY SHOTZ

Philadelphia, Pa.

A DICTATOR DIES

Sirs:

I convey to you the amazement and resentment of this consulate on your report on the death of President Anastasio Somoza ("A Dictator Dies, Sons Carry On," LIFE, Oct. 8).

Somoza never was a dictator, even though he had the opportunity. He was the constitutional head of a government elected within the Nicaraguan laws and practices.

JOSÉ CORONEL

Consulate General of Nicaragua
New York, N.Y.

Sirs:

You are wasting six pages on a man who made himself great at the expense of his own people.

We glorify such dictators who do good for U.S. companies no matter how poor their own people are.

JOHN M. GORRIE

Euclid, Ohio

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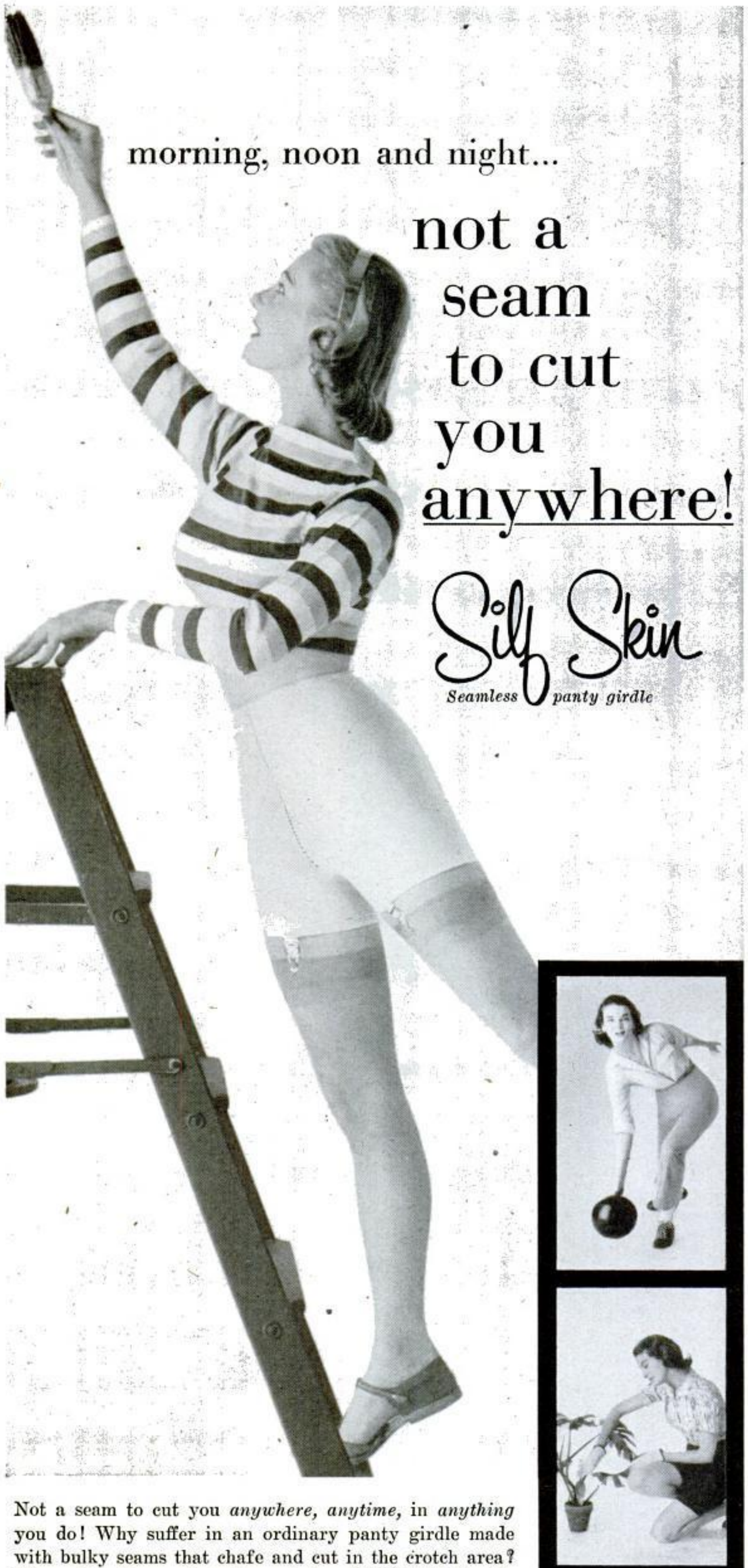
OWLISH EYEFUL

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The great eyes of the great horned owl open wide as the bird descends silently upon its prey. Recently a horned owl, caught in a trap set on a Michigan chicken farm's fencepost, opened its eyes wide at an unfamiliar sight. Duane Honsowetz of the Lansing *State Journal* had spotted the captive bird on the fence and come up to take its picture. Later Honsowetz found out he had photographed not only the owl but himself as well. For the wide, dark pupils reflected his full figure, tipped at an angle because the owl had cocked its head.

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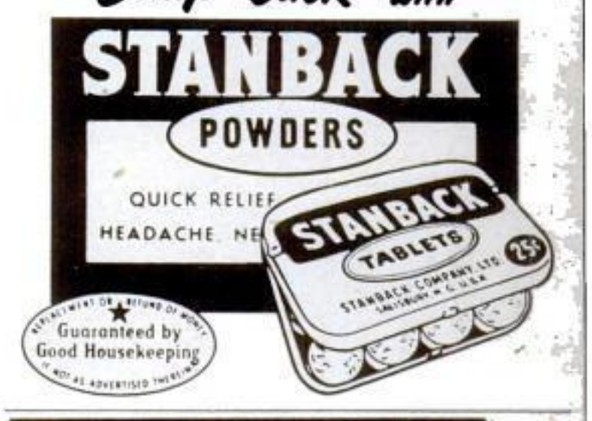
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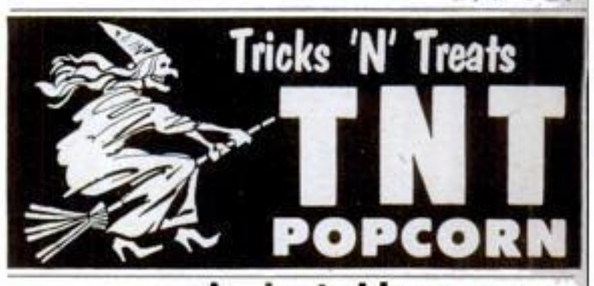
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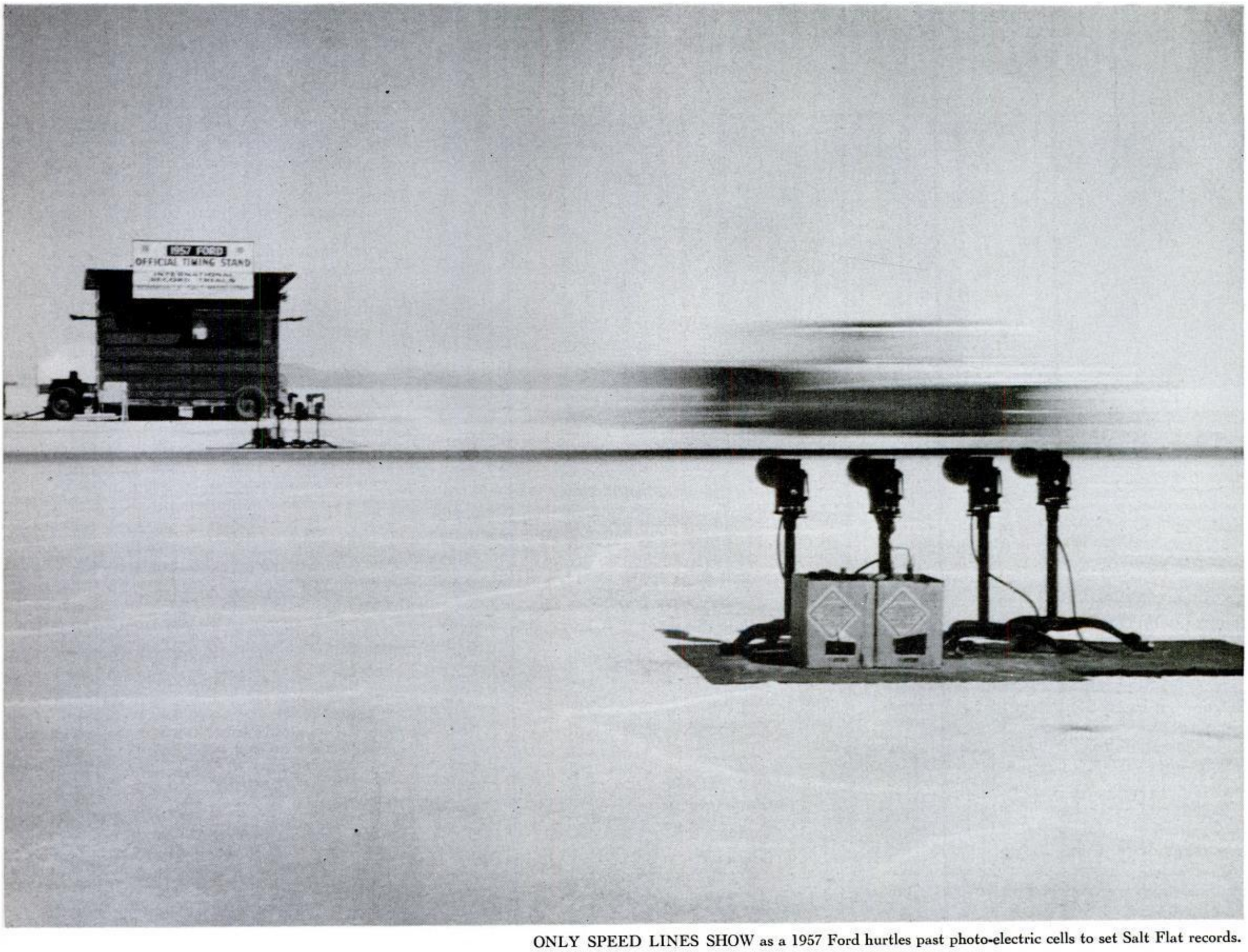
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ONLY SPEED LINES SHOW as a 1957 Ford hurtles past photo-electric cells to set Salt Flat records.

THE LONGEST LEFT TURN IN HISTORY

The new 1957 Ford hurtles over the Salt Flats at fantastic 108.16 mph for 50,000 hot miles

This is the true story of a classic endurance test. It involves 27 men, two stock 1957 Ford cars, and 458 National and International records for automobile performance. But what happened in twenty blazing September days in Utah also involves every American who owns, or drives, or rides in cars.

THE LONGEST left turn in history began on a desert of salt at 1:50 p.m. on Sunday, September 9, 1956.

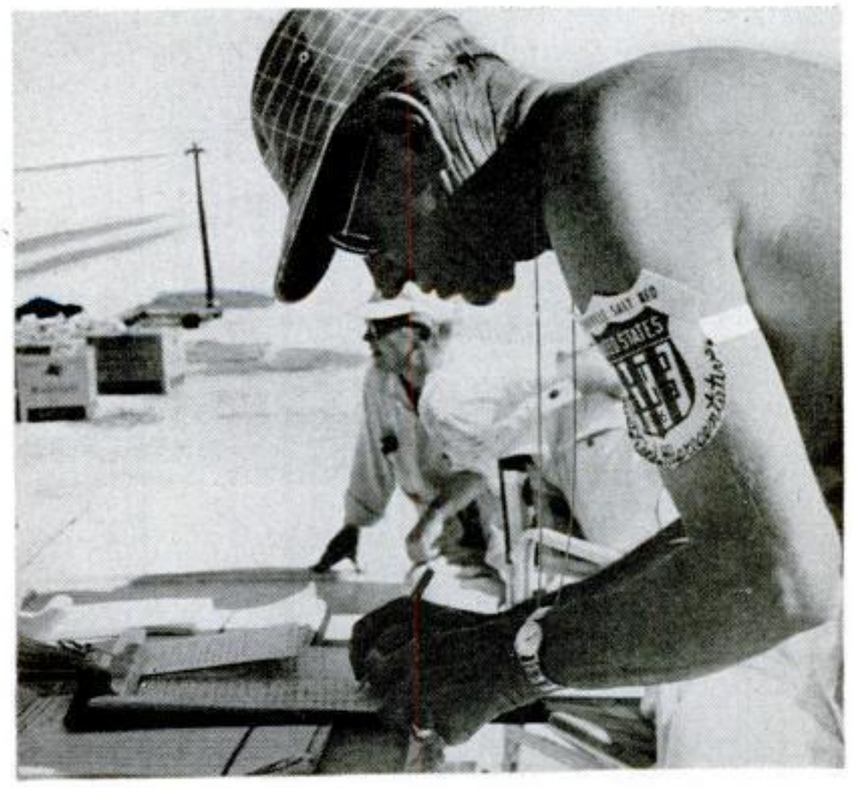
As the United States Automobile Club (USAC) timer flagged the start of the run, two Fords flashed past the two batteries of photo-electric cells and dwindled swiftly into black specks on the blinding white salt.

Once the cars had disappeared on the first lap, those who were left lit cigarettes and relaxed. One said: "How can I do my work if I keep my fingers crossed for the next couple of weeks?" They all looked at the landscape; for a while there would be nothing else to do.

Except to watch the Fords go by. And by. And by again. Five thousand times.

The landscape that the cars whispered over is a special kind of hell. Bonneville Salt Flats is one of the deadliest deserts on earth. Nothing can live on it, nothing can grow on it: not an insect, not a weed. It is as desolate as the plains of the moon.

When waterfowl fly each year across the flats, some of them alight unsuspectingly in the brackish puddles, to rest. There they die,



USAC OFFICIAL, John Bodine, one of many on duty 24 hours a day, took his regular shift; verified each record-breaking mile from Mile One to Mile 50,000. Infallible electric clocks were used.

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THEY DROVE 5 YEARS INTO TOMORROW



DANNY O'BRIEN, a driver who is such an expert mechanic that he also helped in the swift, slick pit-stop drills. The drivers kept awake on their long grind by munching grapes and cookies. But not one of them gained in weight.



DANNY EAMES, veteran Ford test-driver and crew chief, wore sun glasses to cheat the glare of the noon sun. Each driver whiled away his shift differently; some wrote jokes to throw out at the crews in pit stops.



CHUCK STEVENSON, famous driver, who won the Mexican road race two years in succession, wraps against the cold. They took solid punishment: endless circling turned the slick salt to bone-crushing potholes.

their plumage fouled by the greasy, sticky salt. The "Flats," stretch over 3,000 square miles of western Utah. The famous race-track section is 200 square miles of crystalline salt; hard as concrete, without dust, pure white, smooth.

The sky is blue, the salt is white, the nearby mountains are a dead dun brown, the far mountains purple, the farthest mountains blue. These are the colors of Bonneville, just as they have been for some 70,000 years. At dawn the salt is pink, at sunset the salt is gold.

The mountains around the ancient lake bed are as brutal, as savagely forbidding as the vast white sheet of salt—and almost as dead; they grow only sagebrush and tumbleweeds, and are populated only by rattlesnakes and little darting horned toads.

All summer long the dry thin mountain air heats to 100 degrees in the day; when the sun plunges behind the mountains the temperature drops swiftly to 50 degrees or less.

Through the blazing heat of day, through the biting cold of night, through nature's temperature torture, the Fords piled up the miles.

The Flats have had almost no history through the slow centuries: the dead salt turned back all travelers. In 1846 the ill-fated Donner party dragged their caravans of dying oxen slowly across the bitter 90 miles: the tracks of those covered wagons are still clearly rutted in the salt, undisturbed for a century. The Flats defied the railroads until 1900, and the highway builders until 1920. But already by 1914 the Flats had been discovered as the ideal place to test a car's performance and endurance. The nearby town of Wendover began to make automobile news all over the world.

INTO this harsh science-fiction landscape, shortly after Labor Day this year, came a crew of human beings of different talents.

Twelve of them were veteran drivers, race and performance-test champions.

Fifteen were pit men, mechanics with an odd assortment of skills. They are the best men in the world at doing things for which there is practically no call, such as filling the gas tank of a car in less than 17 seconds.

The rest were observers, cameramen—and most importantly, USAC and Federation Internationale de Automobile officials.

The test had been carefully and deliberately designed to measure the sheer endurance, the absolute stamina of a completely new kind of automobile—the 1957 Ford. The Ford management had coldly decided to make the test in the most difficult possible way.

Official rules, standards and procedures, were to be honored to the exact letter.

There was to be no leeway from start to finish, no margins, no allowances. *Every second, including all pit stops, was to be counted.*

THE USAC AND FIA men who were supervising the entire test, had to be at the track 24 hours a day, as long as the run continued. Four officials had to be in the Timing Shack. In three little sun-baked huts around the rim of the 10-mile track were three "spotters" endlessly reporting as the cars zipped past their stations.

The clock was the enemy of the cars whirling over the salt. It's not even a clock, but an electrical machine without moving parts—*accurate to within 1/1000 of a second.*

Outside the Time Shack stood two facing batteries of photo-electric cells, one on each side of the track. Each time a car passed between these cells, the timing device in the shack automatically imprinted on paper the exact thousandth of a second.

Once the timer clicked into action, as it did on September 9, nothing could be done until the men and the steel gave up, fatigued beyond endurance. It ticked away all the seconds in the pit, all the seconds of high noon and full moon, the heat and the chill, the time to eat and sleep.

And at every pit stop an eagle-eyed official had to record the temperature in the sun, in the shade, and on the salt every hour, as well as the wind velocity, for a complete record of weather conditions.

THE monotony began. The pit crews had a dull time. They are so fantastically expert that they can complete a full pit stop in as little as 17 seconds. This leaves them with 59 minutes and 43 seconds to kill until the next pit stop.

The cars whirled on over the ten miles of salt all that Sunday afternoon, on the long gradual left turn that seemed endless.

In the afternoons, in the steady mirages of the Salt Flats, the mountains often seem to hang suspended, six feet off the ground. And so did the cars—floating softly, silently, swiftly, high above the brilliant white desert of salt.

Especially swiftly.

FOR the most severe rule of all was the true basis of the test: the cars had to go at high speeds in order to break the records they were after. The way to torture a car most hideously is to keep it at high speed until it melts or snaps or erodes or falls apart.

These speeds were truly high. The first 24 hours were run at over 120 miles per hour, then the cars were throttled down to a running speed of over 110 m.p.h.

The blue-and-white Ford flicked by. Then the black-and-yellow. Again and again. The records began to fall, slowly at first. Each hour meant 110 miles of driving, or 11 times around the ten-mile track. Every two or three hours a substitute driver swung into each car.

The sun dropped out of sight, the moon floated up. The little smudge pots were lighted along the inner circle of the track, the tiny yellow flames flickering as the cars swooshed by into the velvet desert dark.

The pit men drank coffee and smoked and read, sunbathing by day, working in sweaters at



NIGHT PIT STOPS had to be serviced just as swiftly as the daytime halts. The veteran service crews gassed, oiled and watered the cars in as little as 17 seconds of hot work.

United States Auto Club Sports Commission

CERTIFICATE OF PERFORMANCE

The undersigned certify in the name of the United States Automobile Club Sports Commission that Sept. 9-28 inclusive, 1956, Bonneville Salt Beds, Utah

1957 FORD FAIRLANE CLUB VICTORIA

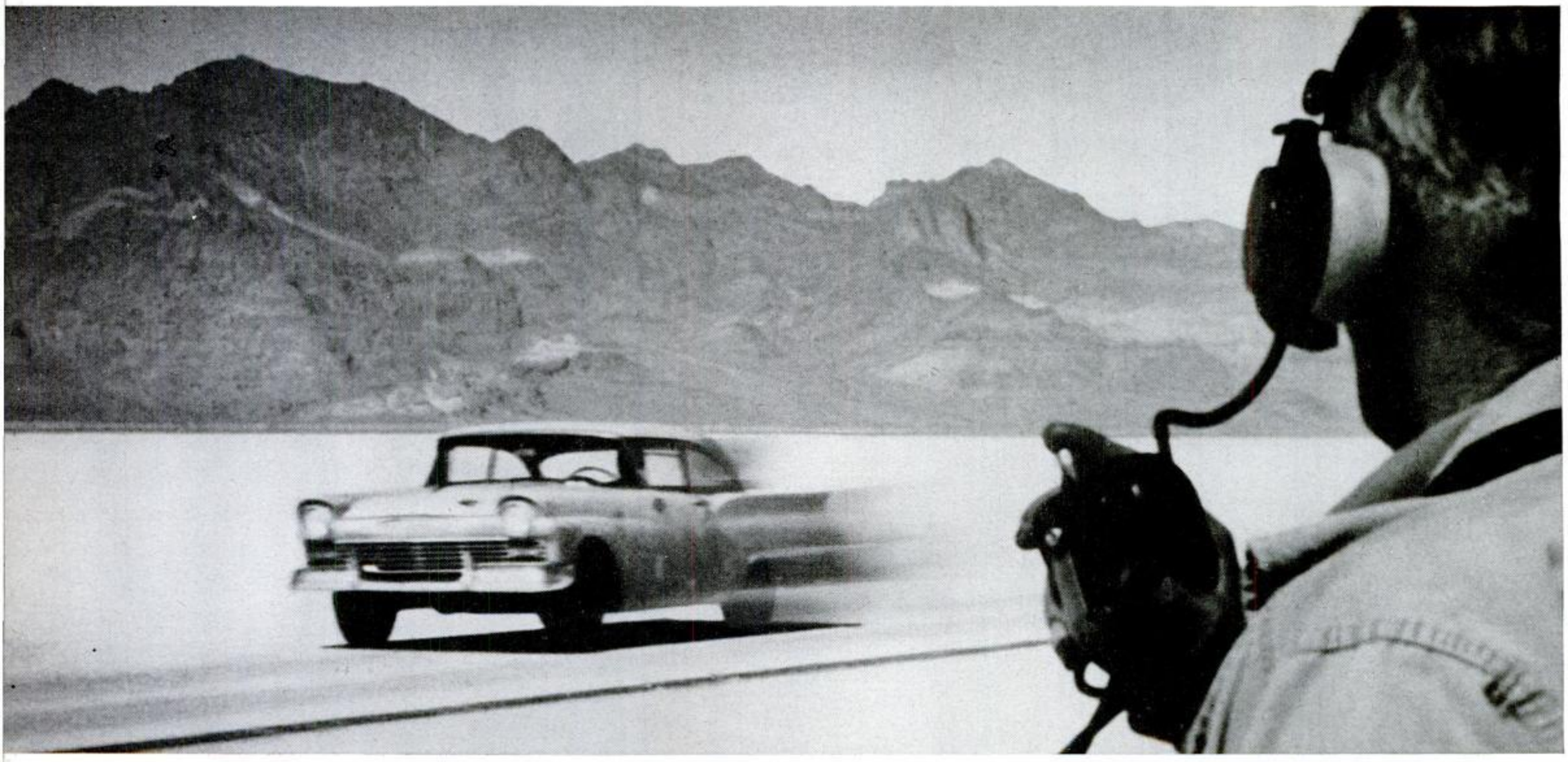
Broke all existing American stock car records

"Class B" Closed Car Division 1 Kilo to 50,000 miles

50,000 miles at 108.16 m.p.h.

USAC Officials certify under their sanction #56-SR13 these records were made by a 1957 Ford prepared pre-production model all parts of which met specifications identical to those cars being sold to the public.

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THE GLITTERING NEW FORDS soon became salt-crusted as they whisked silently over the most perfect racing surface in the world. But the 50,000-mile endurance test, run under the most rigid rules ever, permitted no time for polish or prettying-up.

night. They couldn't play cards—the important hands always come up just before a pit stop.

The time went on. Sunday became Monday. Tuesday and Wednesday went by. Still the cars were floating silently over the salt at 110 miles per hour. Then it was Thursday and Friday and pretty soon Sunday again—the cars had run a week at this torturing, furious speed.

And along went another Monday, another Tuesday—and the records were still falling.

Time and monotony and fatigue play tricks on human beings. Once a driver went right through the pit at 110 miles an hour. Once one of the pit men idly splashed a paper cup full of water at the windshield of the car as it passed. But water is a solid lump when struck at 110 miles an hour—the water went right through the windshield. The glass was taped up. The car rolled on.

A pit stop works like this: while the car is still slowing down, with the engine turned off, one mechanic hits the front fender with a piece of metal to ground all electricity. Another, already running behind with gas hose in hand, begins squirting gasoline through the air into the hole of the tank while the car is still moving. By this time the hood is up, a mechanic is checking the oil, another is checking the plugs and the carburetor, and the car has run over lifts to allow other men to get below and check the suspensions, the driveshaft, the springs and the gears. It seems a moment only—and then the car has leaped away again.

Gradually the pit stops grew more tense. How long could the Fords go on with no change except oil and gas and water? How long could steel—and men—endure?

The second Wednesday passed, and Thursday. The sun came up, blazed, sank; the moon came up, the desert was chill, they drank coffee and drove and drove and drove, and still the Fords were ramming around that gigantic left turn at 110 miles per hour.

The drivers carried lots of food. The monotony of this kind of driving grinds the nerves. They ate grapes—one grape at a time, a couple of grapes each lap, trying to make it only one grape per lap. They would write notes as they rode, little jokes to throw out at the pit stops.

The second week dragged slowly, mile by mile, hour by hour. Now everyone was tense. The records had fallen in clusters.

WHAT was all this proving? What good is all this speed?

The real answer came from Crew Chief Danny E. Eames during the grind: "No one should go this fast except racing drivers—and then only on race tracks.

"This kind of test is designed to improve the breed of cars, to test their durability. We're not after mere speed.

"The big thing is to torture the engine, the chassis, the body, and all the thousands of parts at high speed for tremendous distances. Here we've got an all-new car, a new kind of Ford, and we wanted to prove to ourselves, as well as to the American people, just what we had.

"And there it is, running like a streak, running perfectly after 30,000 miles at over 110 miles per hour. Still sweet. Still smooth.

"This is better than fine-car performance. This is a damned fine automobile."

AND still the two Fords whirled on over the salt, salt that was no longer smooth, but deeply pitted with bone-crushing potholes. Hitting them again and again—and again—at this furious, grinding speed was a fiendish test of running gear, of body, of chassis—and of men.

Finally, on September 28, at 8:10 p.m., Ford Car No. 1 reached the impossible goal: 50,000 miles at an average of 108.16 miles per hour, including all pit stops.

Car No. 2 finished a few hours later, averaging over 107 miles per hour—both cars still running sweetly, both ready to continue for thousands of miles more.

But no need to. They had broken all the records from one kilometer and one mile to 50,000 miles—including 30 of the top possible class of records—the "world unlimited" class.

Everyone shook hands. The drivers, the pit men, the officials, the observers, photographers and TV cameramen. They unhooked the clock, and left the salt to bleach as it has through the centuries.

THUS ended the longest left turn in history, quietly, undramatically.

Just as a matter of interest, previous to this test, the same two Fords warmed up with a 1957 Ford convertible on the famous Bonneville straightaway. They showed their get-up-and-go by smashing 57 national acceleration records.

By the time the Fords left Bonneville, the record book was rewritten . . . with 458 new national and international records listed for the New Kind of Ford.

There is only one thing left. Shake hands with your Ford dealer. He'll introduce you to a car identical in every tiny respect with the two cars that have just done the impossible. And he has them in 19 different models, on two different wheelbases. And with your choice of engines, all the way from the Mileage-Maker Six, the economy champion, to the Thunderbird Super V-8s.

This is the New Kind of Ford, the car with the Mark of Tomorrow.

FORD DIVISION
FORD MOTOR COMPANY

FORD GOES FIRST IN ENDURANCE

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LIFE
Vol. 41, No. 18 October 29, 1956

INSIDE THE CABIN as the plane circles endlessly awaiting daylight, passenger Hiroshi Shiga, his life jacket on, stands for a breather. A crewman, Navigator Richard Brown, stands at stairwell leading to lower deck as he talks with passengers. Captain Ogg had suggested passengers stand or smoke to break

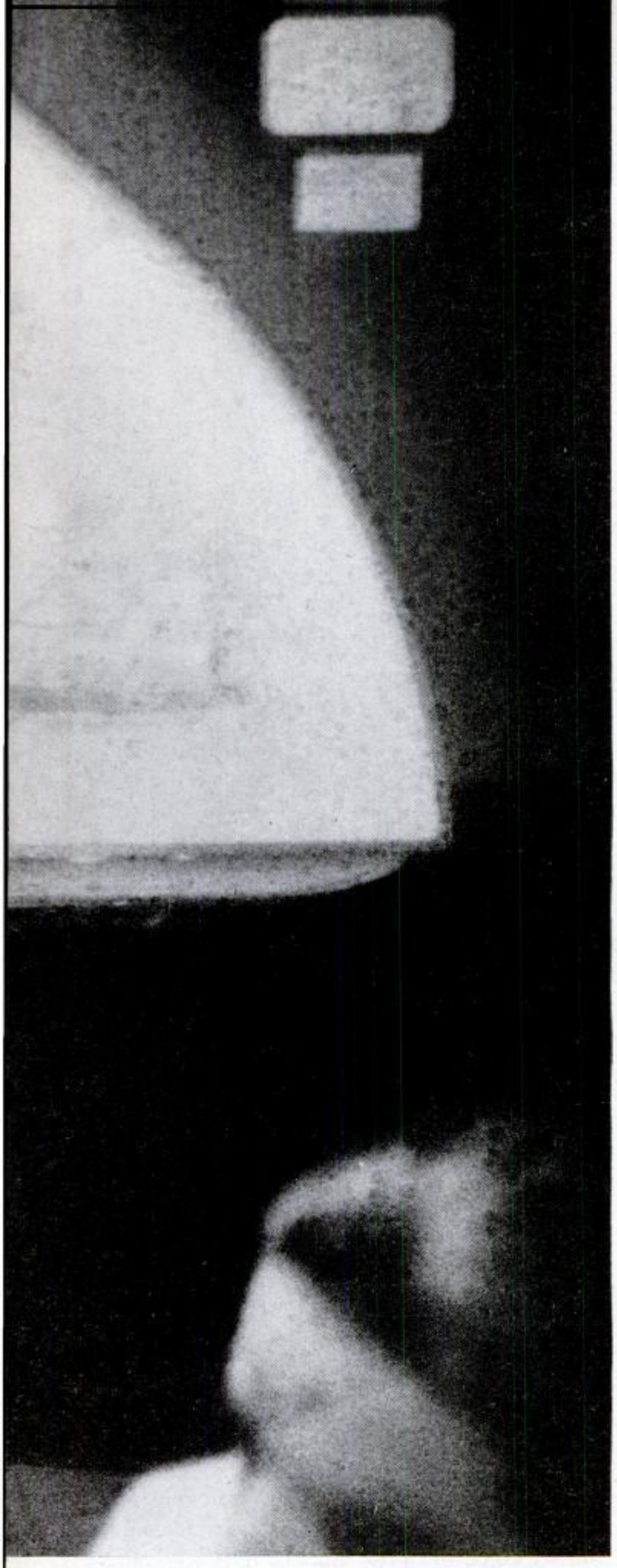


CALMLY WAITING, the passengers, bundled in life jackets, huddle in their seats in the dark cabin as the plane drones on. Lulled by warmth of jackets and airsickness pills, a few passengers even slept.

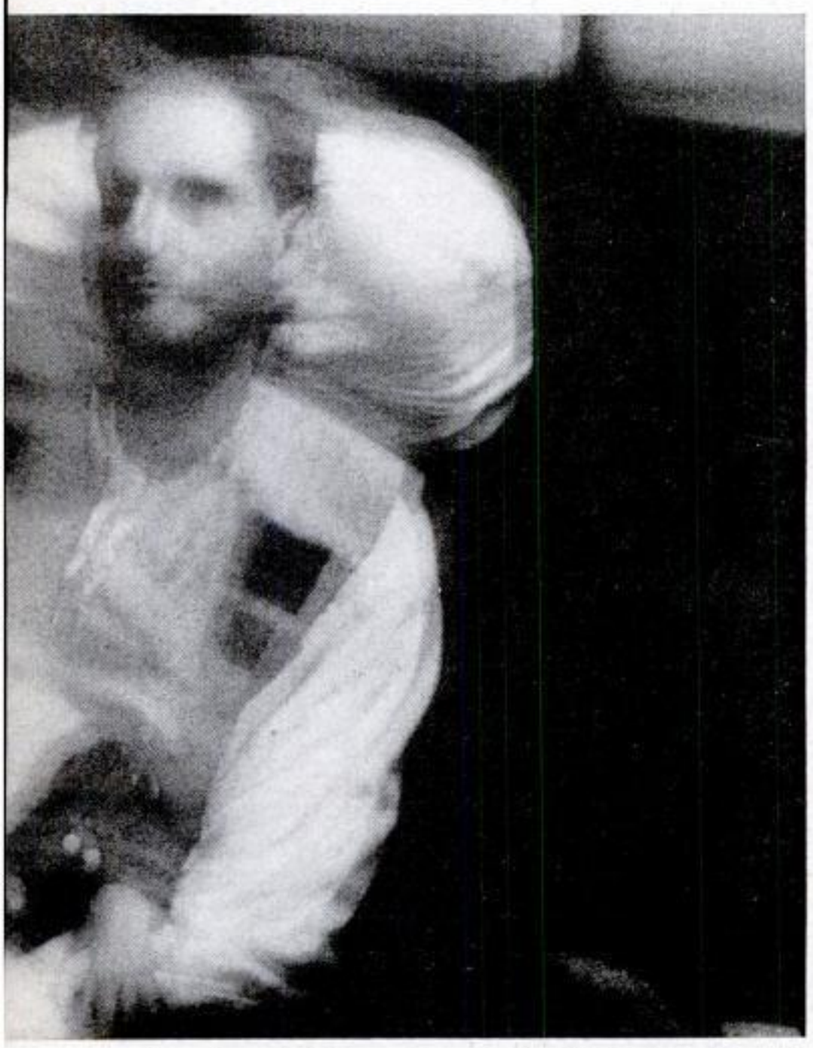


SLEEPING TWINS, Maureen and Elizabeth, nestle in the laps of parents, Jane and Richard Gordon,

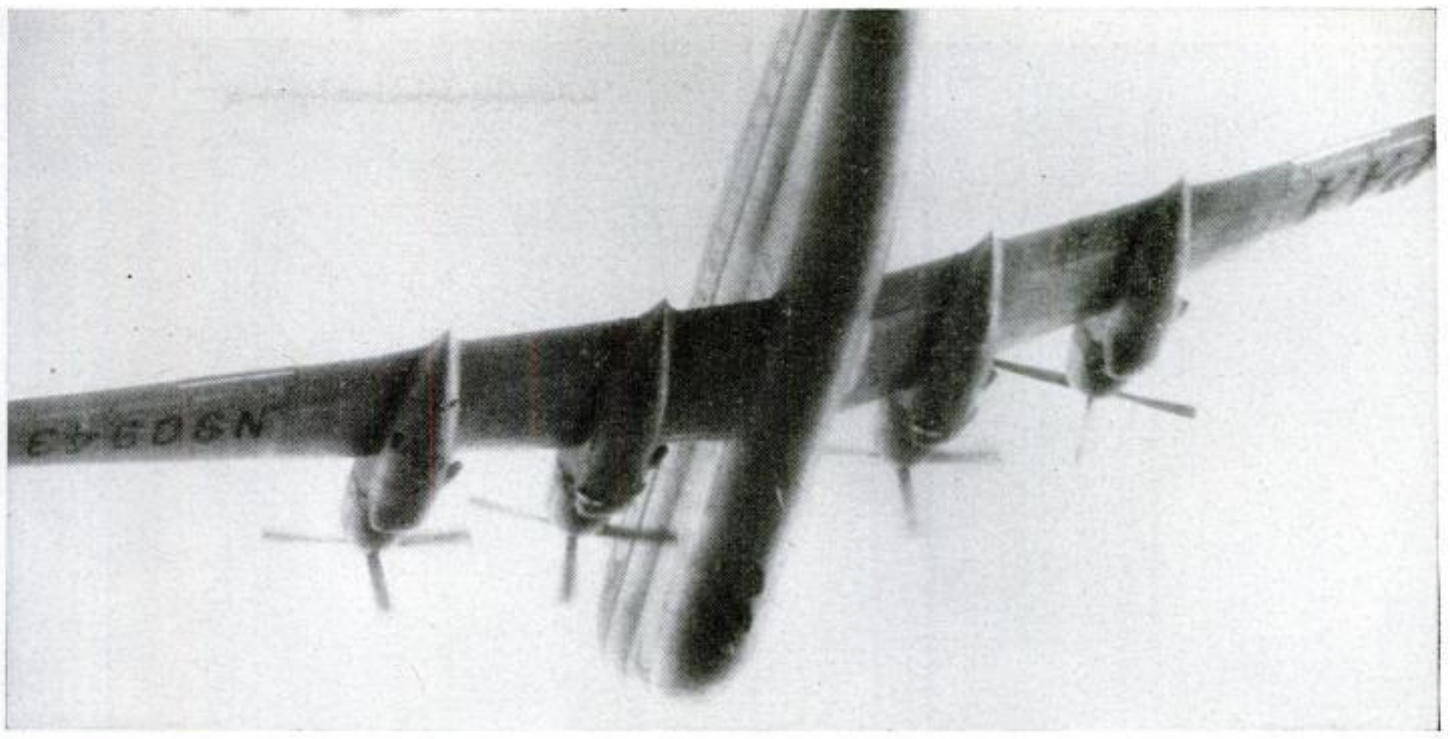
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the tension. This picture and the two below were taken by passenger Albert Spear, a Navy Seabee.



after they had been dressed in life jackets. Spear's pictures blurred as camera moved during exposures.



THE CRIPPLED PLANE, making trial landing run, swoops over *Pontchartrain*. Number one propeller (*left*) is spinning out of control. Number four propeller (*right*) has quit completely and is feathered.

ORDEAL ON FLIGHT 943: THE LAST FIVE HOURS

by HERBERT BREAN

It was about 3:15 in the morning of Oct. 17 and the Stratocruiser *Sovereign of the Skies*, flying 21,000 feet above the Pacific, was almost precisely at equitime, the point at which an airplane is midway in time between its departure and arrival points. She was Pan American's Flight 943, bound from Honolulu to San Francisco with 24 passengers and seven crew members aboard. Stewardess Mary Ellen Daniel had just gone forward to see if the flight operating crew wanted coffee. Two did and the captain wanted a Coca-Cola.

Miss Daniel heard the droning engine noise roar up suddenly to a loud stridency. The plane dipped so hard that she staggered. This was the beginning of an ordeal which was to hold the passengers and crew of the *Sovereign of the Skies* in its grip for five long hours.

The sudden dip aroused the other two dozing stewardesses, Patricia Reynolds, the purser, and Katherine Araki. It also awakened Mrs. Richard Gordon, who peered out of the berth she occupied with one of her daughters.

Pat Reynolds came back with the answer: number one engine was in trouble and the captain was trying to "feather" its windmilling propeller into a stationary position where it would offer the least wind resistance. Other passengers sleeping in berths or blanket-shrouded in reclining seats began to awaken. Then the voice of Captain Richard W. Ogg, on the public address system, brought the whole plane to alarmed consciousness.

"Sorry to wake you up," he said regretfully, "but our number one engine is running wild and there might be the possibility of a ditching. Please put on your life jackets, strap on your safety belts and remove sharp objects from your pockets."

In the plane's cabin there was no noticeable vibration or sense of losing altitude. There was just the high, unnatural scream of the engine and the racing propeller which would not respond to control. Instead it continued to whirl ineffectively and so threw the plane out of balance. In the cockpit Ogg tried to "freeze" the propeller by cutting off the engine's lubrication. The maneuver failed. The propeller did not respond.

Pat Reynolds turned on the lights in the cabin and began reciting to the passengers the rules for ditching, checking the manual to make sure she omitted nothing. They were to bring their reclining seats to bolt upright position. They were not to smoke. They were to take off shoes and glasses. They were to remove sharp objects from pockets. They were to yank their seat belts as tight as possible. The passengers did as they were told. One woman obediently tore the crucifix off her rosary.

Pat Reynolds explained that when they were given the order to brace for ditching they were to bend far over, resting their faces in pillows laid in their laps and wrap their arms under their knees. They should stay like that until they were sure the airplane's motion had stopped, since the first shock might not be the last. Life jackets should not be inflated until they were out of the plane.

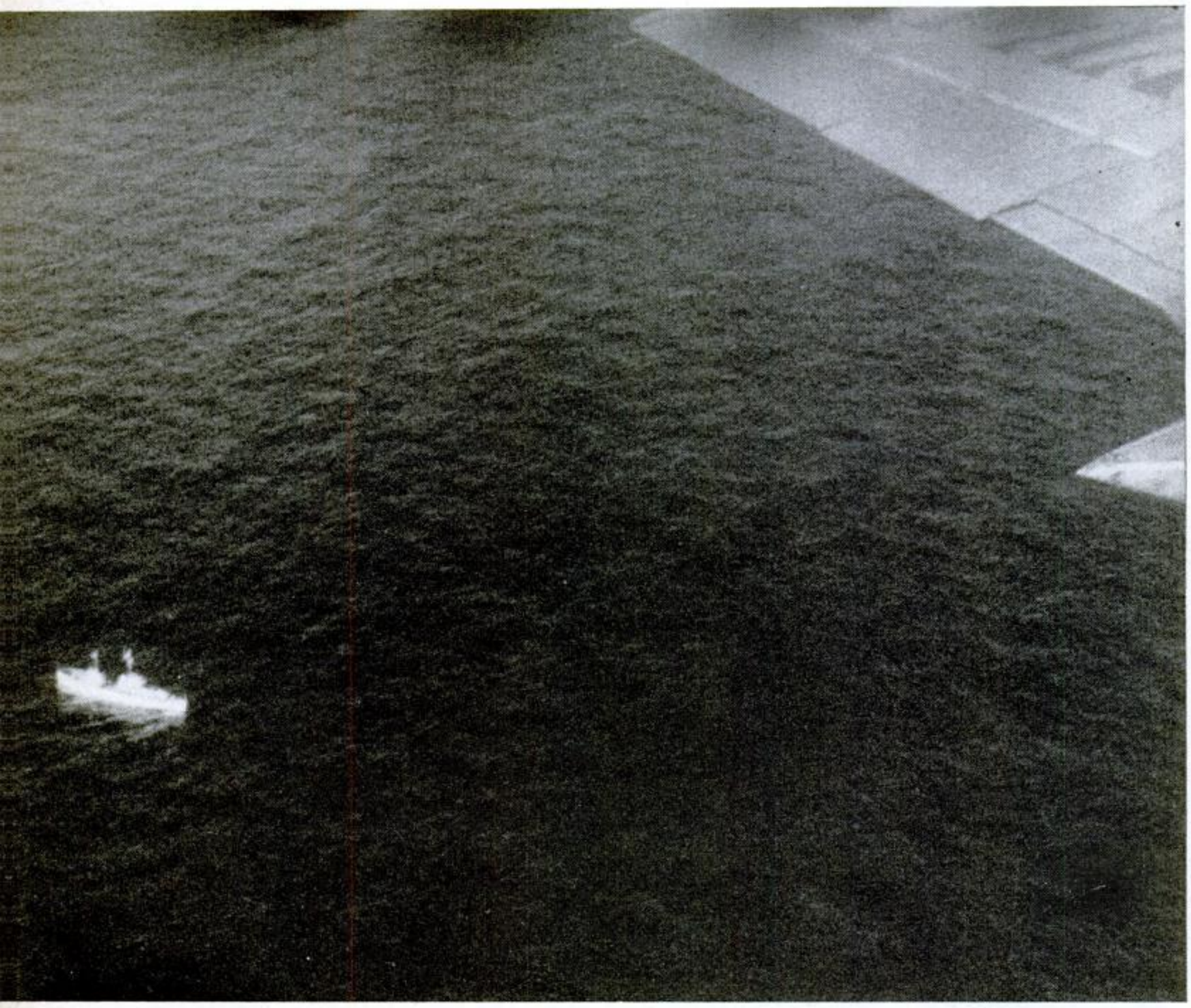
She said it all calmly. And they listened carefully and quietly. Although the long cabin filled with nervousness, no one cried out or betrayed alarm. Some got out the life jackets and, without a word, began putting them on. Others asked for advice.

The Richard Gordons were traveling with twin daughters less than 3 years old, blue-eyed, flaxen-haired and sleepy. The life jackets frightened them and they began to cry. The stewardesses had to hold their small, resisting bodies to get the jackets on them.

In three minutes everyone was ready for the brace-to-ditch order. Pat Reynolds walked aft and saw the captain's Coca-Cola still in the

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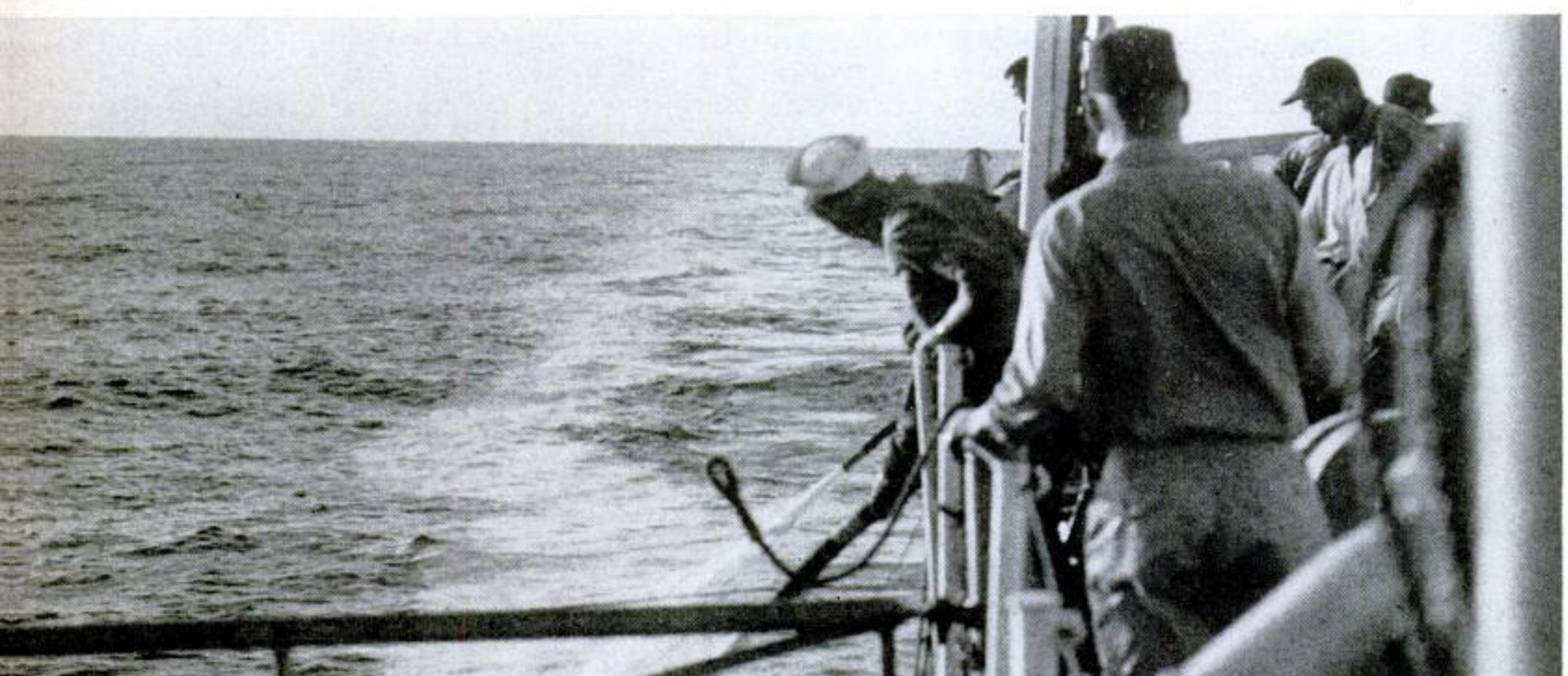
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WELCOME SIGHT for passengers was the *Pontchartrain* waiting below. This picture, with the wing of plane visible, was made by passenger Hendrick Braat as plane made one of last circles around ship.



HITTING THE WATER in 103-mph belly landing, plane kicks up heavy spray as metal chunks are



LAYING FOAM BATH, crew members of Coast Guard cutter spray fire extinguishers on water to mark ocean landing area and to minimize fire hazard caused by static electricity as plane hits water.

galley. She sipped it. He never got it nor did the others in the cockpit get their coffee.

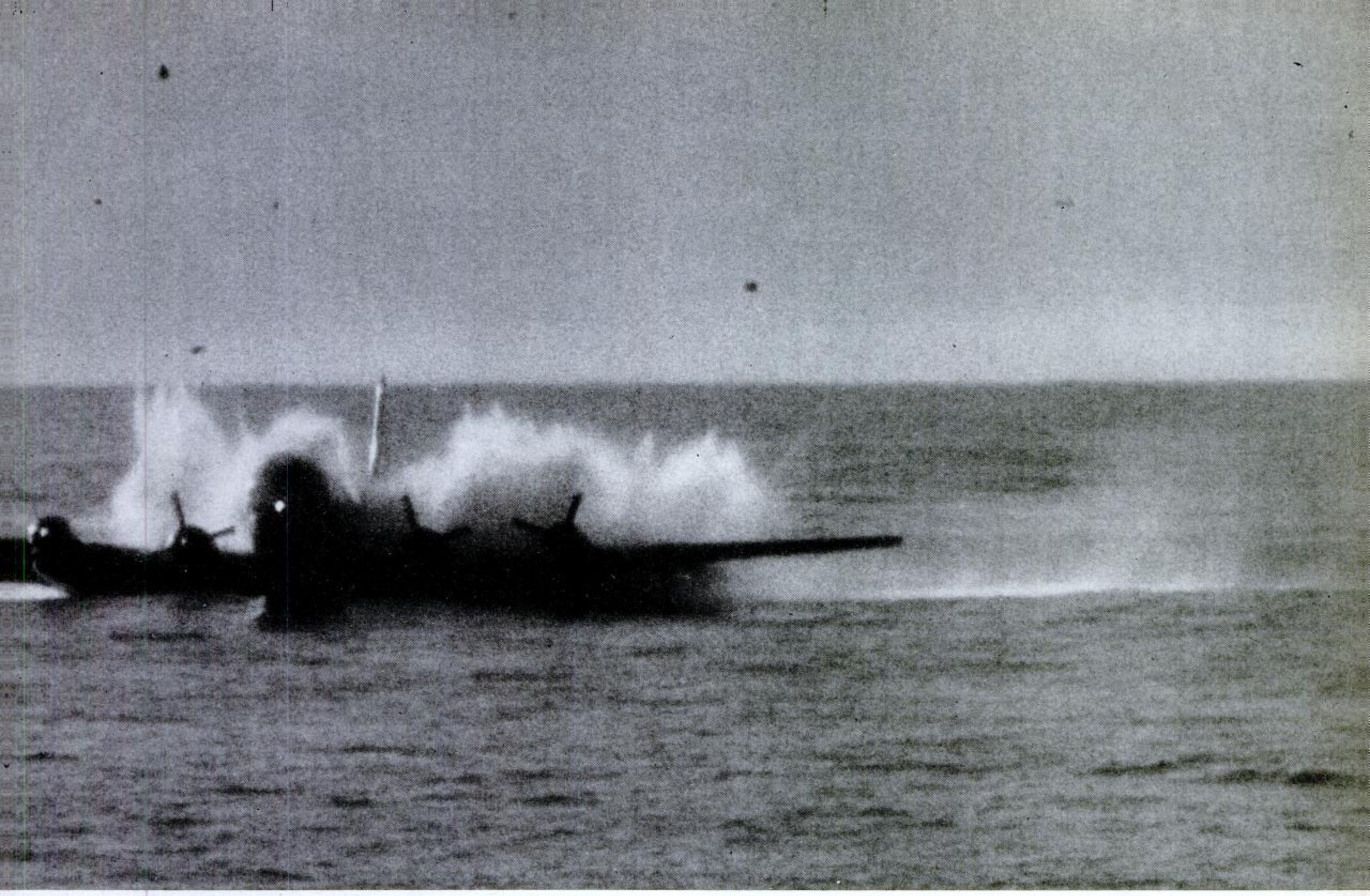
Now the number four engine also had conked out. Even on only two engines the plane might proceed safely, but the windmilling propeller of number one was acting as a drag, forcing the plane slowly down through the thin upper air toward the dark sea below. It was costing them both air speed and fuel.

That was what Ogg, a tall, reticent, thoughtful man, had to consider. He could not get to either Honolulu or San Francisco. He was also some three hours from daylight and while ditching by day is always a shuddering exercise, at night it is infinitely more serious. In any light the distance to the water is hard to gauge. Even with a normal sea running it is easy to rip a plane's belly open on a wave.

Ideally the pilot will fly in with power on up to the last second, in order to settle into the smoothest spot he can see, for the danger lies in the first few seconds of rapid deceleration as the plane enters the water. And there is the problem of angling. A Stratocruiser should come in with its nose about five degrees up from the horizon. To attempt this by night, by the feeble light of dropped flares, is near-suicidal. Ogg, incidentally, had never ditched a plane, but that is not unusual. Very few commercial pilots ever have.

One thing was in his favor. Just a short time before, they had flown over a Coast Guard weather ship, the *Pontchartrain*, and Ogg had begun talking to her by radio. The Coast Guard maintains a constant check on the position of planes and ships within its areas. It also

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hurled high in the air. Sea was calm, with three- to four-foot waves 500 feet apart. Pilot landed along length of wave crest to try to prevent dragging wing-tip in a wave. By keeping plane's nose up from the water he let plane take main stress of crash toward its tail. All passengers had been moved forward.

maintains a running check on surface conditions and can immediately provide a pilot in trouble with information that is vital to him in preparing to ditch.

When Ogg reported to the *Pontchartrain* she immediately alerted other ships and began feeding him information. The weather was clear, the sea exceptionally calm, the wind seven miles an hour from 60° (roughly northeast). Ships within 300 miles were being asked to speed to the scene.

Ogg decided to stay in the vicinity of the *Pontchartrain*. The tone of this conversation with the ship had nothing of an emergency about it. At one point the *Pontchartrain*'s skipper mentioned that the aircraft carrier *Bennington* was coming to the scene. "Maybe you could land on the carrier," he joked. "I don't think I'll try that," Ogg replied and chuckled. He held the plane in monotonous eight-mile ovals over the *Pontchartrain*.

What was happening in the cabin was almost uneventful. The stewardesses moved the passengers into seats near the wings. They repeated the ditching instructions again, made sure everyone had taken off his shoes and that loose personal possessions like handbags were dropped down the two-level plane's staircase. The captain reported regularly on what he learned by radio. There were plenty of ships coming to their rescue, he said. Pat Reynolds walked down the aisle, smiling and asking, "Anyone want a magazine?" Mrs. Freida Dix of Jasonville, Ind., grandmother of seven, said, "Are you kidding?" and everyone laughed a little. They served coffee and orange juice. Katherine Araki passed Chiclets around.

The real comfort was the sight, as they shuttled back and forth, of the *Pontchartrain*, a thin, white, brightly lighted hull below them, and the little pathway of floating flares that she set out in the water to guide them in. Mrs. Dix looked down and said to herself, "God bless 'em, they're down there," and began to feel better.

The stewardesses, bulky in life jackets, secured the cooking utensils and the dishes in the aft lavatories. They gave everyone plastic bags in which to put papers, wallets and valuables. Finally they sat down.

The Gordons asked how best to hold their two small children while bracing for ditching. A man grinned at Katherine Araki and said, "How about some breakfast?" and then explained he was just joking. At the time it did not sound like a bad joke.

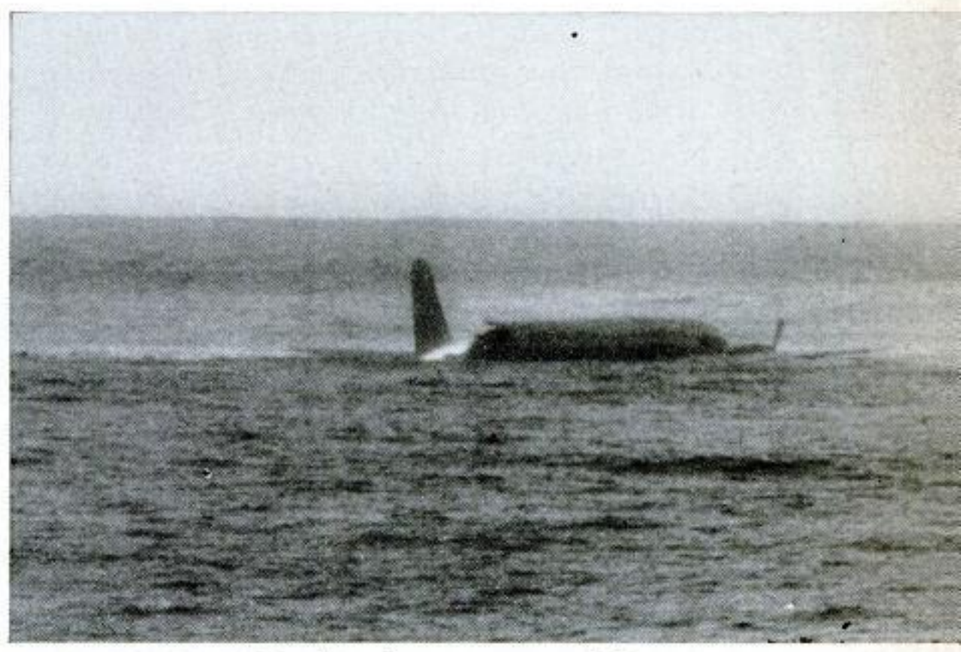
By now Ogg was pretty sure he could hold out, at the lower altitude he was now flying, until daylight. The public address system clicked on again and he announced that they would not ditch for at least an hour. The passengers could get up, stretch their legs and relax with a smoke if they liked, he said.

They did. But it is a measure of their faith in the crew's reassurances and in the presence of the Coast Guard below, and above all, perhaps in man's ability to extricate himself from situations he has created, that one passenger, a French physician named Dr. Marcel Touze, stretched out and went soundly asleep. Mrs. Louise Walker of San Francisco and Mrs. Dix also dozed off. The others chatted softly.

When day broke, it was wonderful. The sun rose warm and brilliant over a level blue-green sea whose waves were only three or four feet high. At about 7:30 a.m. Ogg announced,



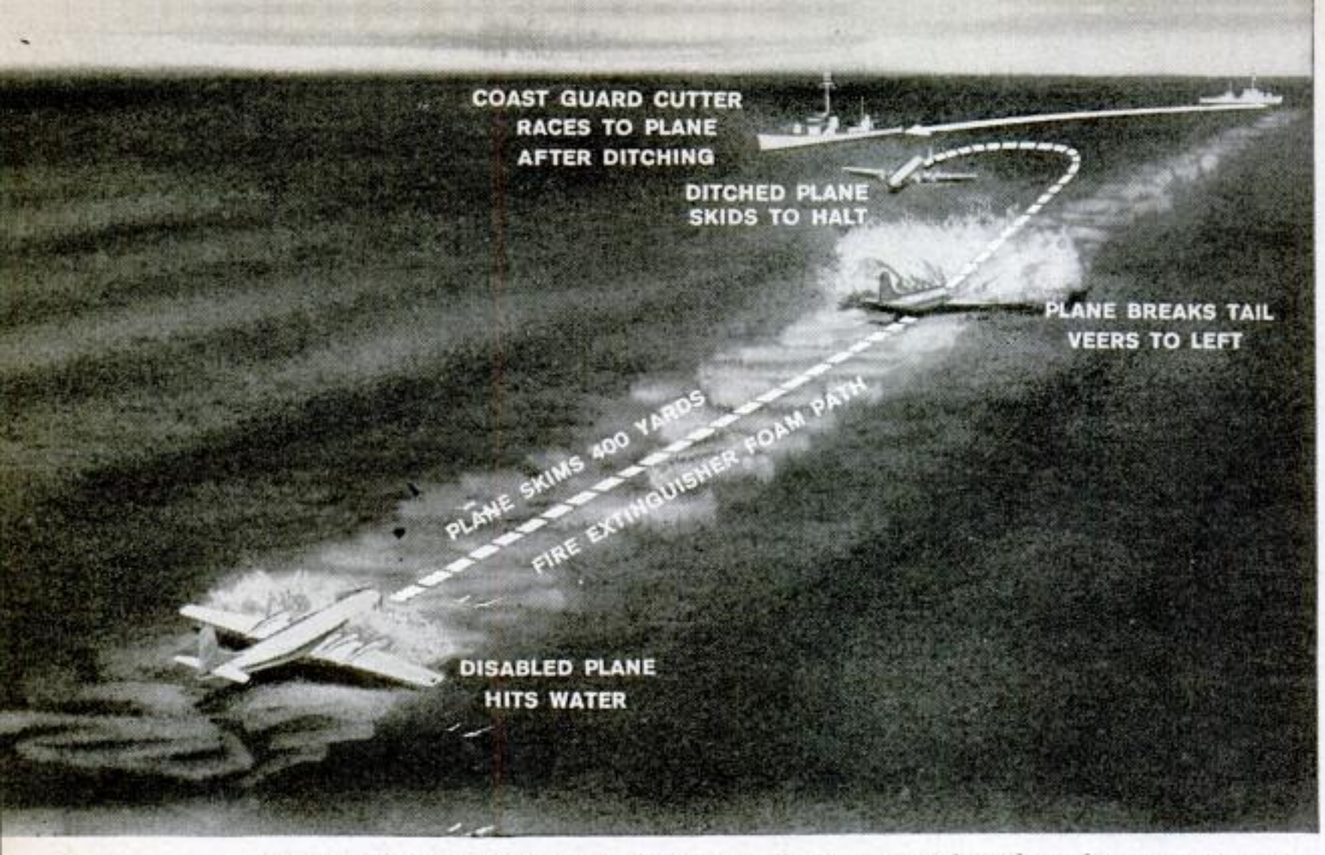
TWISTING ON WATER, plane is partially hidden by misty spray as it whips into sharp left turn.



DITCHED AT LAST, the plane comes to halt as tail, severed from fuselage by crash, begins to sink.

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DITCHING PROCEDURE, diagrammed above, was based on foam runway one-and-one-half miles long. Plane turned off runway when wing hooked in water.



THE DITCHING SCENE, photographed from a passing airliner, shows the plane in water, having spun from foam line, and the *Pontchartrain* steaming up.

FLIGHT 943 CONTINUED

"We will now rehearse the landing." He did not say ditching. And he did so, though without descending to near sea level.

Then he made another announcement, and this time his voice was fervent. "The conditions below are ideal," he said. "The water temperature is 74° and the waves are only a matter of inches high. There is absolutely nothing to worry about—things couldn't be better for us. I'll soon give you a ten-minute warning. Then one minute before we touch down I'll tell you 'this is it.' Do as the stewardesses tell you, please."

It was full daylight and the sea was bright as a burnished shield. But now the feeling in the cabin changed. People retreated into themselves. Some lips, both American and Oriental, moved in prayer, and a scattering of rosaries appeared. The captain announced 10 minutes to ditching time. The plane dropped steadily and the passengers felt and noticed it.

In the cockpit Ogg watched the altimeter and the air speed indicator. Flight Engineer Frank Garcia jetted carbon dioxide into the wings, a precaution in case of fire.

Below them they could see that the *Pontchartrain* had spread a path of fire extinguisher foam on the water, a runway-like path some 2,500 yards long and 100 feet wide. That not only gave Ogg a point of surface reference but it also helped reduce the danger of surface fire after the ditching.

The two Gordons and Mrs. Rebecca Jacobe of Redwood City had been reseated just in front of a partition separating the tourist class from the first class passengers. They put their three small children between their legs, bent over them as best their bulky life jackets allowed, and gripped the seat edges. Other passengers also bent prayerfully in their chairs. The stewardesses took their rehearsed stations in seats near the exits they must help to open if all went well. The wind was whistling over the descending wings.

Second Officer Dick Brown, assigned to open the main door, came in from the cockpit at the last moment, rushed past the hunched, silent figures and took his place hastily. "One minute," said Ogg. And—"This is it!"

The big plane dropped down toward the foamy runway at a bare 90 knots. In the cockpit the operating crewmen braced themselves as best they could (which was little) and sat watching the sparkling, deadly sea come up to them.

The uncomfortable children began to cry. It was an oddly disturbing sound to the determinedly quiet adults. Except for the muffled



TRANSFERRED FROM RAFTS, a load of survivors ride in *Pontchartrain* whaleboat while launch tows raft beside them. The cutter's rescue boats were half lowered and ready to go as plane began

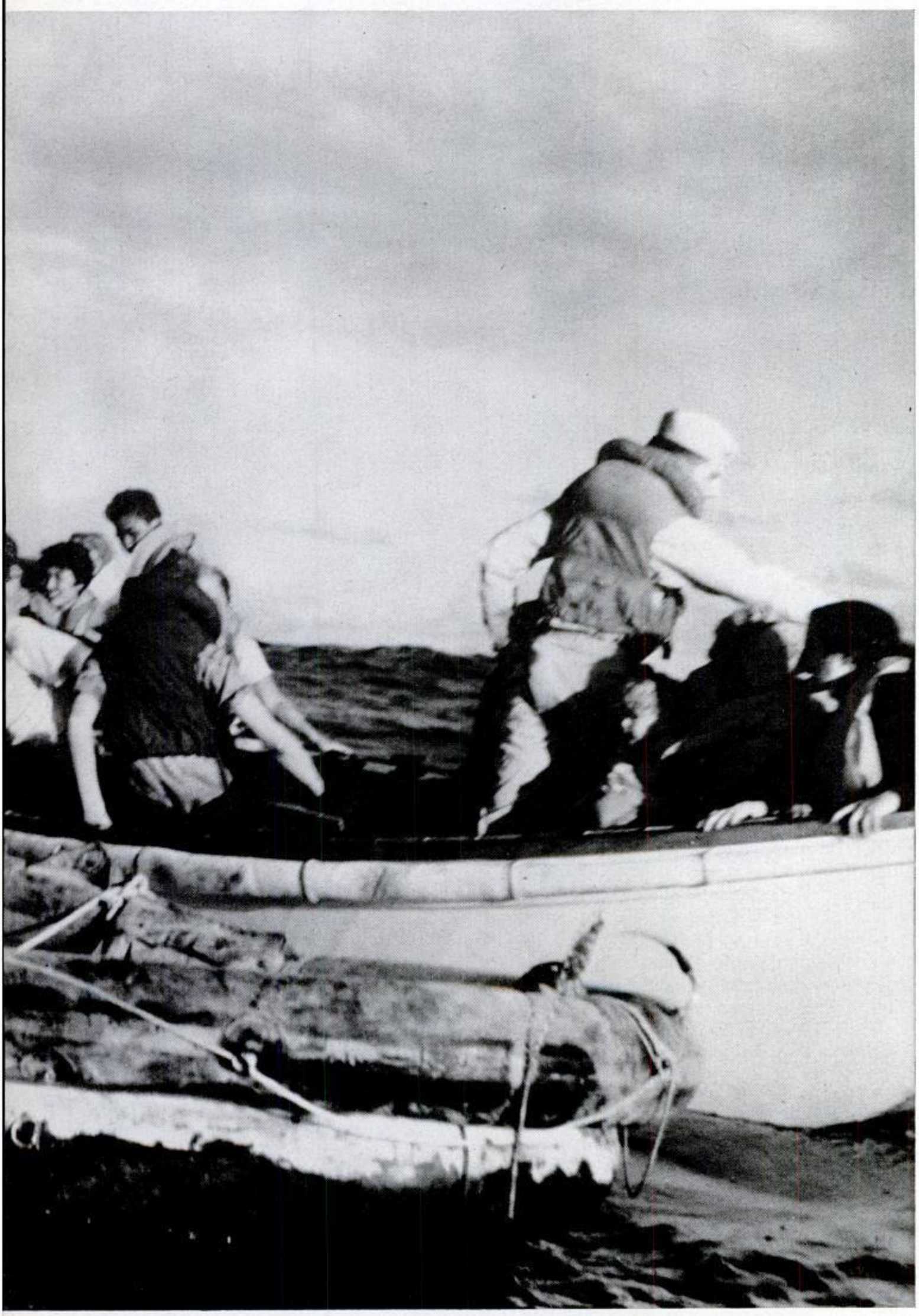
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BOARDING THE RAFTS, a group sets out in one from portside of plane while remaining survivors on the forward edge of wing prepare to launch another.



ONLY SCARE IN RESCUE occurred when one raft was trapped by floating tail at rear of plane. Passengers left it, crossed wing (*above*) to board another.



ditching. After the ship, which was at end of the foam path, raced to the plane (*diagram, upper left*), the boats were dropped to the water and hurried to the rafts, which were drifting away from the plane.

engines it was the only sound. Richard Gordon, having rechecked their seat belts, said a prayer and whispered to his wife, "Hold tight and don't move your head." Mary Ellen Daniel thought, "Oh, God, I hope we won't all be killed on impact."

They were a handful of feet above the water when Ogg dropped her. After just about five hours of waiting, she was ditched. She slid in smoothly for a moment. Katherine Araki told herself, "It's going to be all right." Then there was a sudden great shock, followed by a second and worse one. Mrs. Jacobe's Joan was twisted from her arms and so was Maureen Gordon from her mother's. There was a sound of thin metal being crushed and crumbling and a sound of water rushing in. Gordon felt spray hit him.

Much of the plane's freight was in a lower front compartment—in that instant two dogs, 3,300 canaries and a parakeet presumably died. Quantities of merchandise from the Orient, including Chinese silk dresses, fabrics, 700 pounds of flowers, cameras, cigaret lighters and a dispatch pouch for the Nationalist Chinese Embassy, began their trip to the bottom.

Stewardess Daniel, jolted around in her seat, thought in despair, "We're turning over; how will we get them out?" But no one screamed or cried, the plane's motion finally stopped and there was an instant of utter silence.

Her left wing had dipped into the water, pulling her around to port, and her tail assembly had snapped off. Crew members, whose ditching stations were in the cabin, leaped to the exits they were assigned to open. Cautiously the passengers raised their heads. Were they down? And alive?

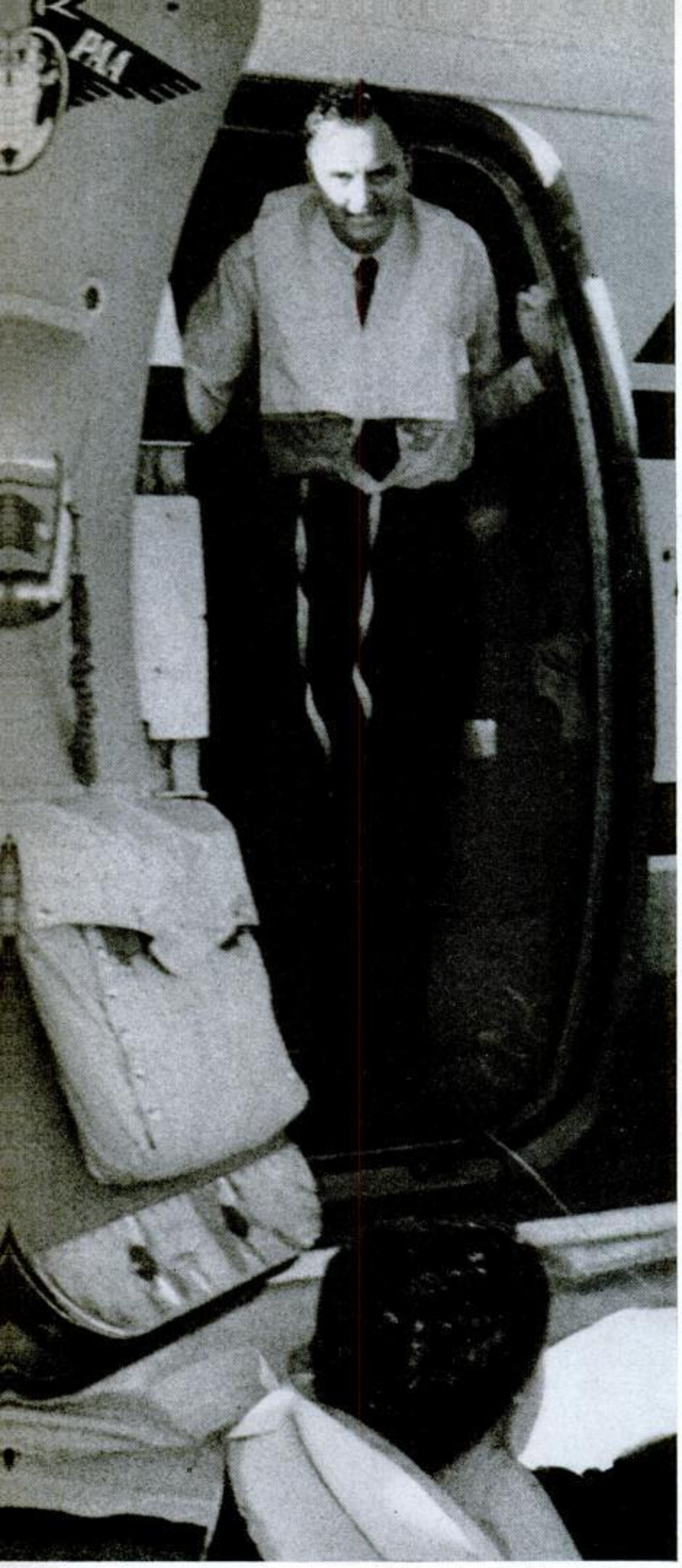
The operating crew rushed out of the cockpit. First Officer D. Lee Haaker went to his emergency station at the port wing, where Katherine Araki was already telling some men passengers how to take down the life raft above the window. Engineering Officer Frank Garcia took charge of the raft on the starboard side. Second Officer Dick Brown had the main door open and Mary Ellen Daniel found herself behind him. It was where she should have been but she did not recall going there.

Brown pushed a life raft out the door and inflated it. It partially blocked the doorway and Pat Reynolds and Brown shoved until it dropped into the water.

Behind her Mary Ellen Daniel found Mrs. Gordon coming up with Maureen, and Mr. Gordon with Elizabeth. "Good, good," said the stewardess. Mrs. Jacobe's child was all right too. The passengers began dropping into the life raft, and when Mary Ellen Daniel finally dropped into it herself, she looked up and saw the *Pontchartrain* charging toward them like a

CONTINUED

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LAST TO LEAVE of 31 aboard, Captain Richard Ogg takes final look from the *Sovereign of the Skies.*



SAFELY ABOARD LIFEBOAT, after being taken from rafts, a load of passengers heads toward the *Pontchartrain.* Standing in the center is Captain Marcel Touze, a French army doctor. Seated beside

FLIGHT 943 CONTINUED

colt. But the raft was hemmed in next to the airplane by the left wing and the broken-off tail that had drifted alongside.

First Officer Haaker, directing port-side operations from the wing, ordered the passengers in the raft to climb onto the wing and then get into the other raft, which had been launched between the two engine nacelles on the port side. The women went first while the men held the raft steady for them, and walked across the wing without even slipping. There was no shouting, only low-voiced instructions. Two men stood calmly on the wings taking pictures.

Captain Ogg and Purser Reynolds were last to leave the plane. Mrs. Dix helped Mrs. Gordon get one of the twins to the starboard raft. Gordon stayed behind with some of the other men to lift the hemmed-in raft over the wings and re-launch it in the clear. Mrs. Dix partly slipped into the water as she clung to the Gordon child and to a guy rope which had been strung from fuselage to nacelle. She got to the raft safely. So did another passenger, Herbert Ho of Penang, Malaya, who pushed off into the water and swam to the heavily loaded raft which held most of the women. They pulled him in and in a few moments the raft was half submerged. Its passengers, who included Katherine Araki and Mrs. Louise Walker, found themselves in water up to their shoulders.

A Coast Guard boat came up almost immediately. The Coast Guardsmen did not say much. They looked like men in a hurry and they threw the raft a line. They pulled it away from the sinking airplane, which by now was nose down in the water with the end of the shattered fuselage in the air dangling an unused life raft. The almost unbelievable rescue had been clean and quick.

Coast Guardsmen helped the passengers out of the rafts into the boats and brought them to the *Pontchartrain*'s ladder. When they climbed it they found a Coast Guard search and rescue unit awaiting them. Sailors stood in a line, each one holding out a big white blanket in which to wrap them and asking, "Can I get you a cup of coffee?" Suddenly everything looked and sounded awfully good.

THE RESCUED LAND AT LAST



FAMILY FOURSOME, the Gordons and their twin daughters, head down the gangplank, ordeal over.

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him are Mrs. Rebecca Jacobe and her 3-year-old daughter, Joan, still tense from their experience.



HEADING FOR THE RAFTS launched from plane, a lifeboat from the *Pontchartrain*, a raft of its own aboard, speeds through the water. Passengers had been taken from rafts within 13 minutes of landing.

ABOUT TO GO UNDER, a life raft still dangling from her jagged hull, the tailless bulk of the clipper noses down. Raft snagged on wreckage and was not used. Picture was taken from lifeboat by Dr. Touze.



PILOT'S WIFE, Blanche Ogg, tearfully starts to kiss her husband Richard as he leaves the cutter.



RESCUER'S FIANCEE, Lois Cloud, greets Ronald Christian of Coast Guard, who searched wreck.



THE STEWARDESSES, leaving ship, are Purser Pat Reynolds, Katherine Araki, Mary Ellen Daniel.

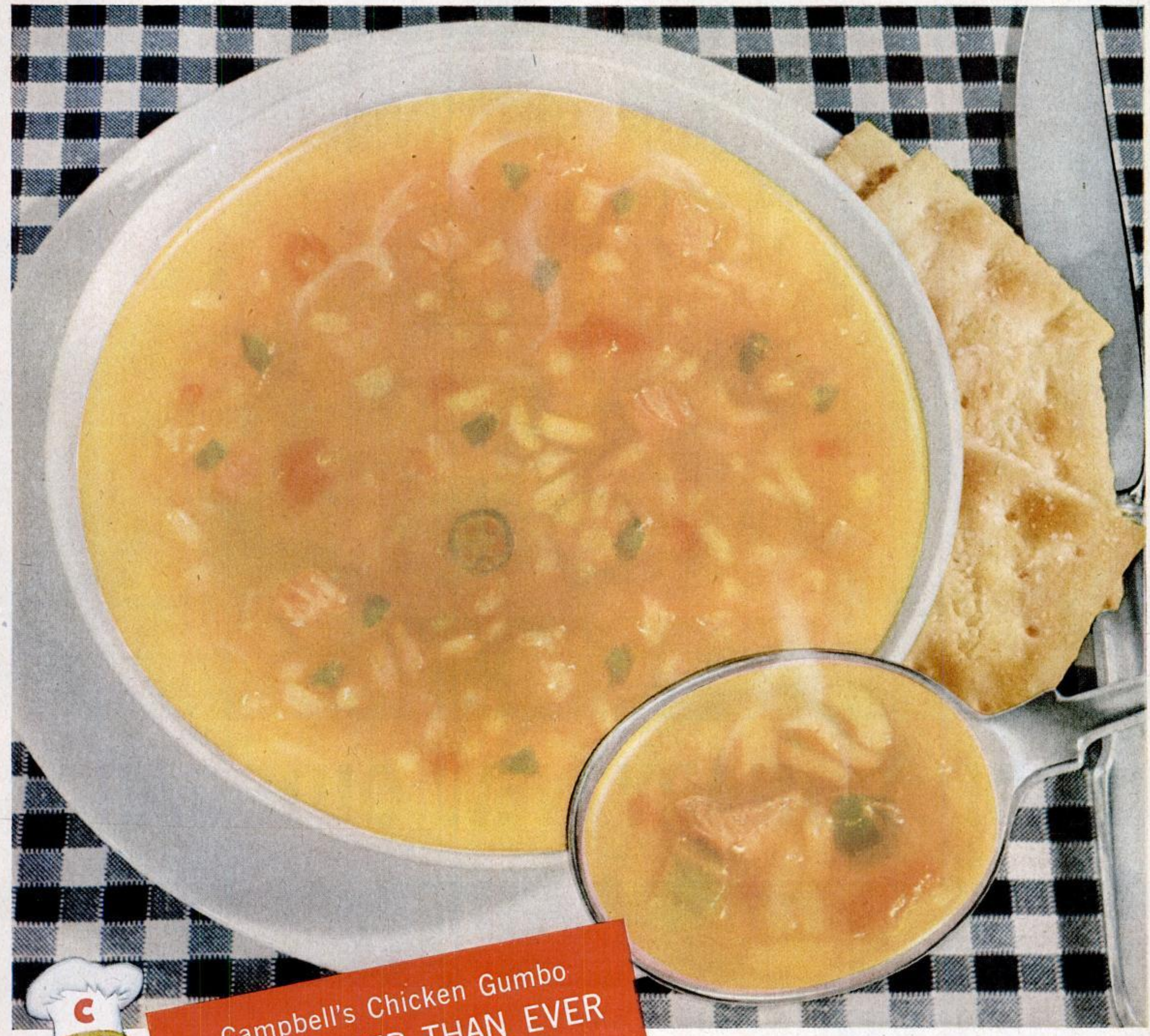
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A JOYOUS LIFT AFTER A LONG JOURNEY reunited one of Flight 943's passengers, Mrs. Ruby Dami, with her husband Ray. The moment she stepped off the *Pontchartrain*'s gangplank in San Francisco, he swept her off her feet and, as she wept on his shoulder, jubilantly carried her 200 feet along the pier.

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Campbell's Chicken Gumbo
NOW BETTER THAN EVER

Delicious Chicken 'n Vegetables

People who like *chicken* with their vegetables—and *vegetables* with their chicken—have always had a very special fondness for Campbell's Chicken Gumbo Soup.

But today this long-loved soup is *even better than ever!*

All of the carefully selected vegetables seem to have new brightness. Wait till you taste the tomatoes, the celery and the okra.

And the rice that adds so much to this soup seems to pick up the flavor of the chicken and vegetable broth in a way that will delight you.

Have it often! There are proteins, vitamins and minerals in every bowl.

Hope you'll have some Chicken Gumbo soon! This chicken-vegetable soup is *better than ever!*



SOUPS SUPPLY BASIC NUTRITIONAL NEEDS: Vitamins, Minerals and Liquids—for general well-being • Proteins—for upkeep and growth • Carbohydrates—for energy

Once a day...every day...SOUP!

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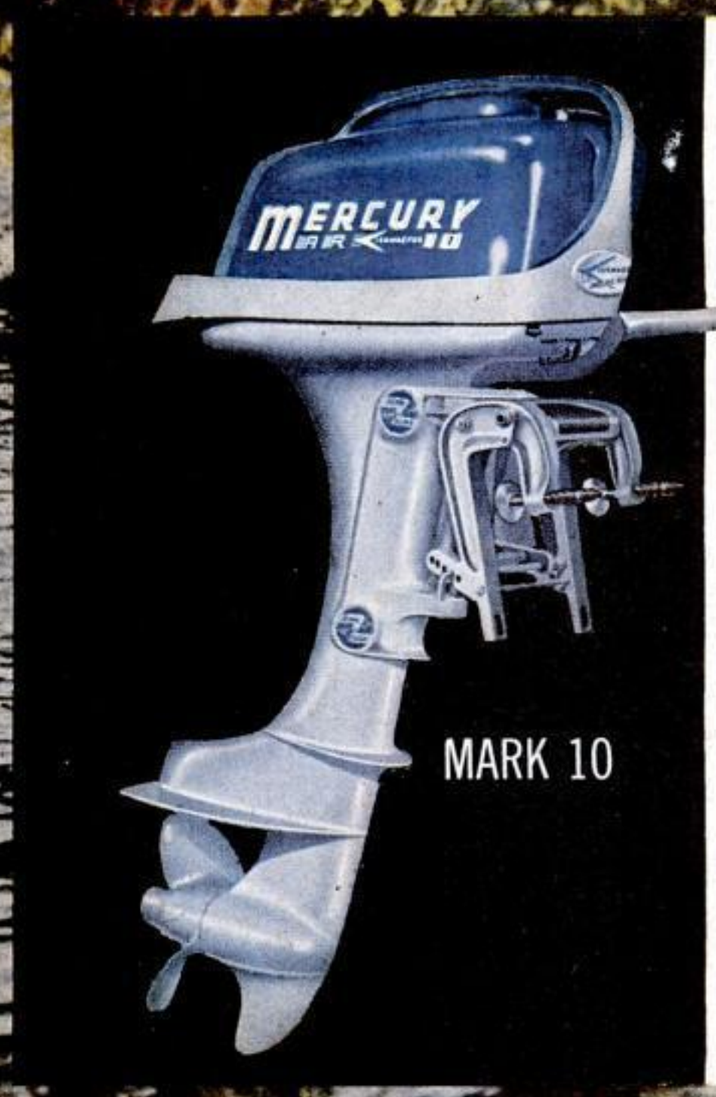
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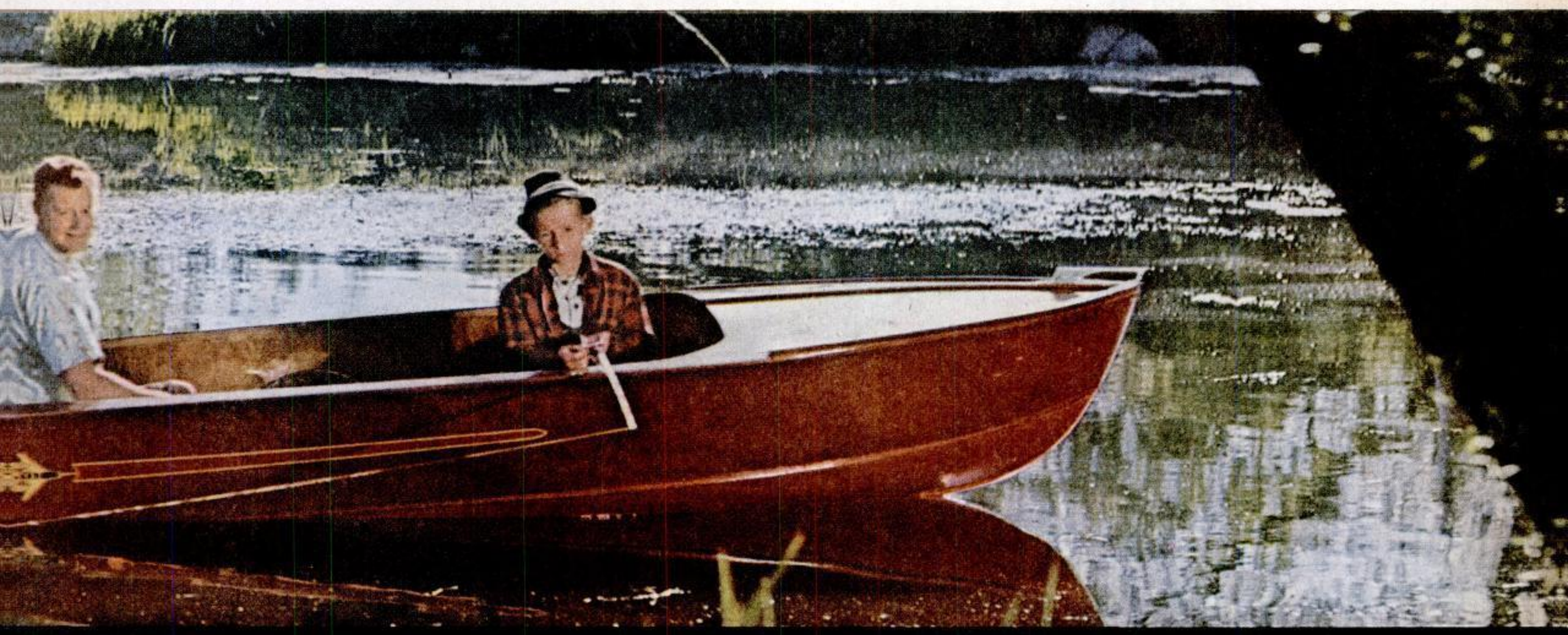
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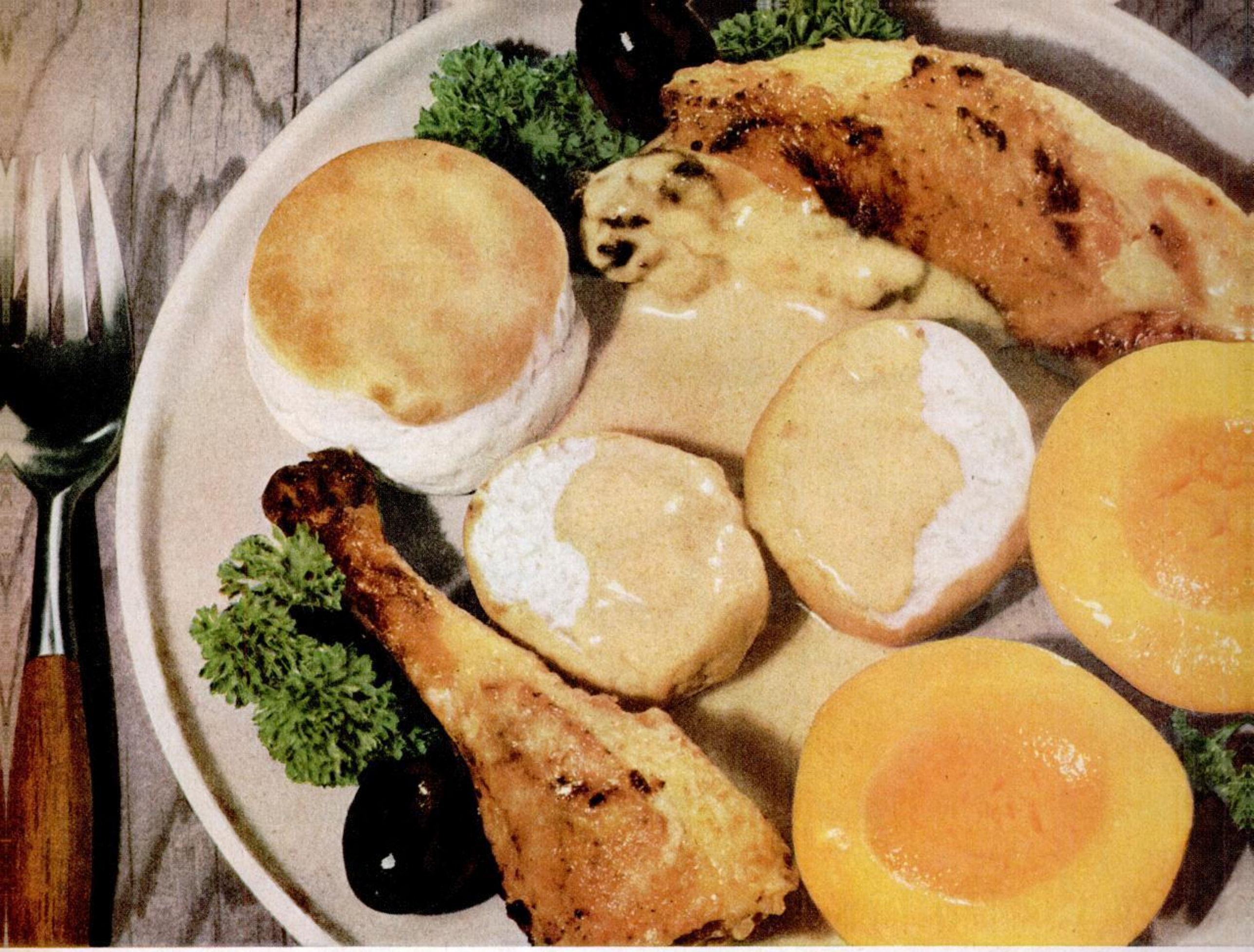
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Made with Ballard OvenReady® Biscuits, Frying Chicken, California Cling Peaches and Pet Evaporated Milk (it's scrumptious)!

Easy do...all in one pan!

Dip cut-up 2½ to 3-lb. FRYING CHICKEN in ½ cup PET EVAPORATED MILK,* roll in mixture 1 cup flour, 2 tsp. salt, ¼ tsp. pepper, 1 tsp. paprika and ¼ tsp. poultry seasoning if desired. Set aside remaining flour for gravy. Melt ½ cup shortening in 13 x 9-in. pan. Add chicken, skin side down. Bake uncovered in hot oven (425°) until tender, (40 to 50 min.) basting occasionally. Turn chicken, move to end of pan. Place drained CALIFORNIA CLING PEACH halves (1 No. 2½ can) on chicken. Open can of BALLARD OVENREADY BISCUITS. Separate biscuits, put in other end of pan. Bake 15 min. until biscuits brown. Remove peaches, chicken, biscuits to hot plates. *Gravy:* Blend 3 tbsp. reserved flour with pan drippings. Stir in 1 cup water. Boil and stir 2 min. Stir in 1 cup Pet Milk. Heat, do not boil. Salt, pepper to taste. Serves 4. *Reg. Trd. Mk.



At your grocer's dairy case

Pick up two or three cans of Ballard OvenReady Biscuits. Inside are ten perfect unbaked biscuits. Just bake and serve in 9 easy minutes. You'll have wonderful golden-brown biscuits—high and light and oh, so tender! Or use 'em in tempting dishes like this Western Ranch Dinner—complete recipe on can.

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Refrigerated Biscuits



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A LOOK AT THE WORLD'S WEEK



MR. PRESLEY REGRETS

In a Memphis court, Elvis Presley eyed two filling station attendants he had socked. A cop said that Ed Hopper (*left*) and Aubrey Brown, angered when Presley drove into the station and autograph-seekers closed in, had attacked the singer. The judge ruled that Elvis swung in self-defense, fined the two attendants. Said Presley: "I'll regret this day as long as I live."



PRO-SEGREGATION PARTY

In Richmond, Va. former U.S. Commissioner of Internal Revenue T. Coleman Andrews accepted a pro-segregation States' Rights party candidacy for President. He called for reforms of tax laws, said the Supreme Court "has discarded its lawbooks for Communist novels." On the ballot in about a dozen states, the party may tip Virginia's close race to Stevenson.



DEVOUT STEVEDORES →

Routed out of bed at 2 a.m., two priests opened New York's Shrine Church of the Sea to International Longshoremen's Association President William Bradley and some cohorts who wanted to join him in giving thanks. For the third time in three years the racket-infiltrated independent union defeated an A.F.L.-C.I.O. rival in a waterfront jurisdictional election.

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1866 · FOR 90 YEARS · 1956
THE WORLD'S STANDARD OF EXCELLENCE

Longines

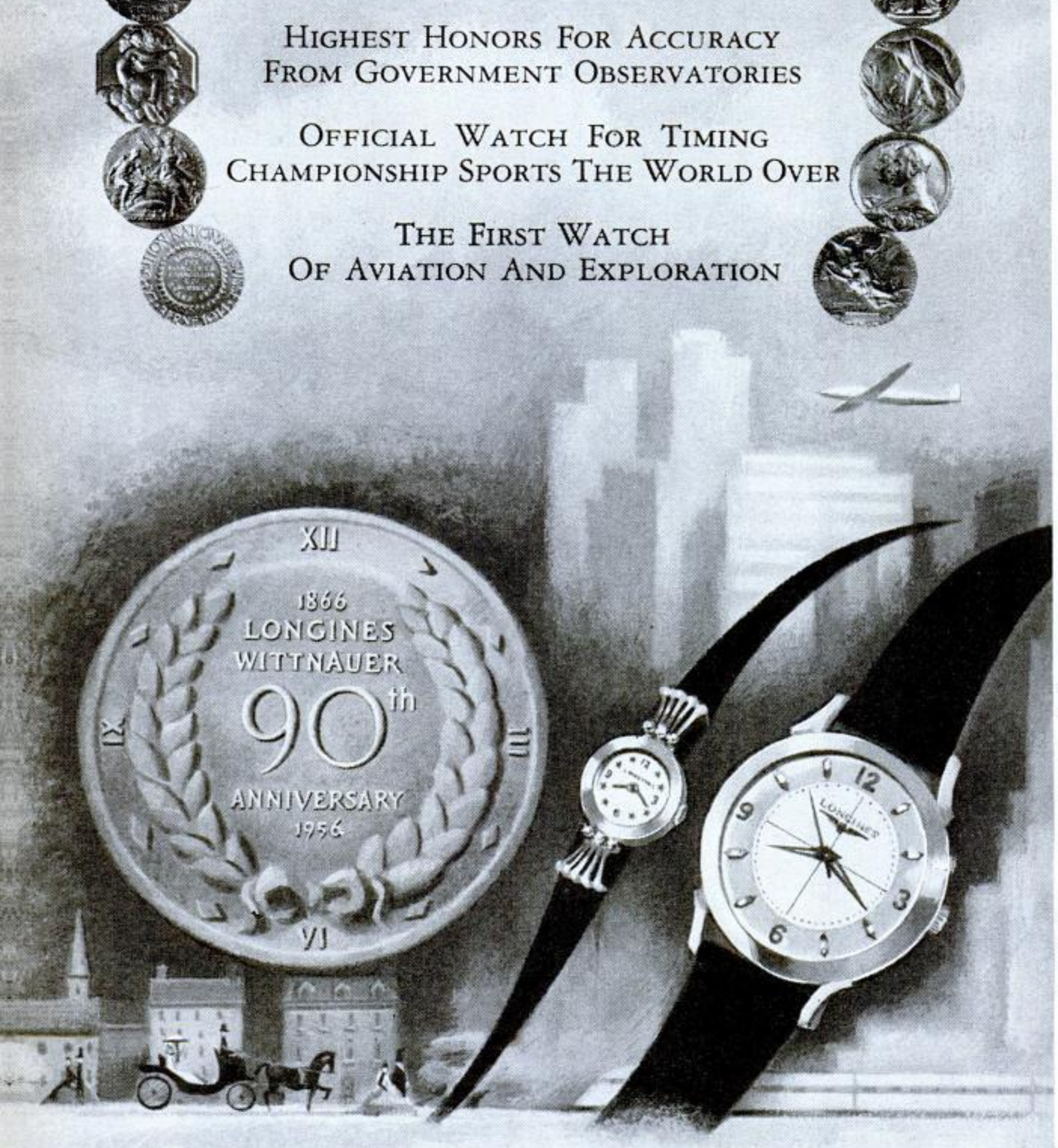
THE WORLD'S *Most Honored* WATCH

Ten World's Fair Grand Prizes
28 Gold Medals

HIGHEST HONORS FOR ACCURACY
FROM GOVERNMENT OBSERVATORIES

OFFICIAL WATCH FOR TIMING
CHAMPIONSHIP SPORTS THE WORLD OVER

THE FIRST WATCH
OF AVIATION AND EXPLORATION



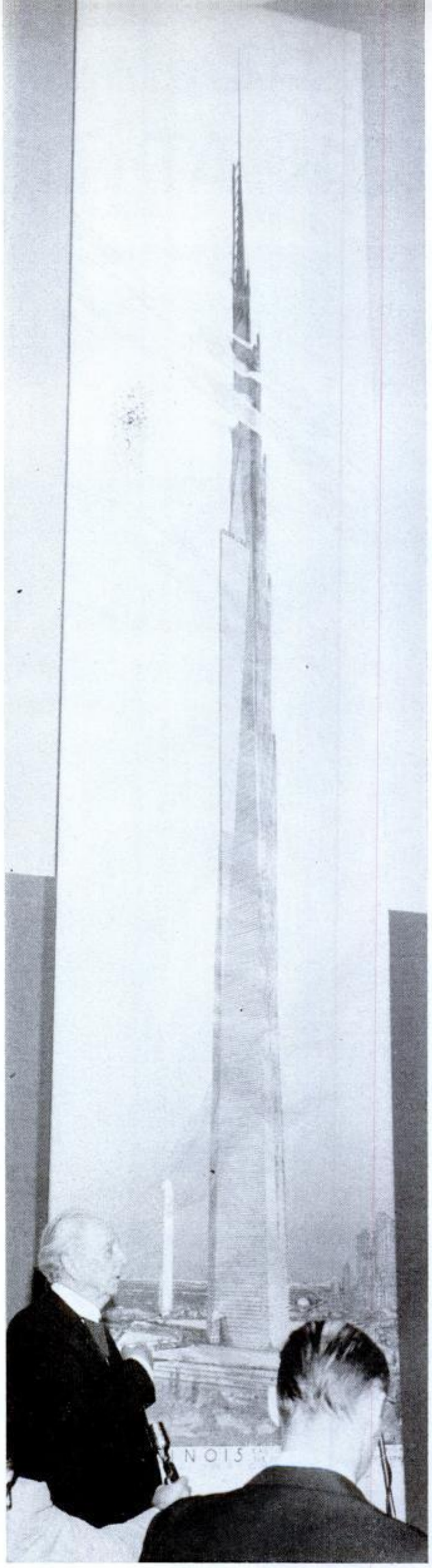
A REPORT AND A PROMISE

The Ten Grand Prizes above frame a progress report of Longines' first 90 years. ℂ The Longines achievement of yesterday is the Longines challenge of tomorrow. The observatory accuracy records made by Longines watches 20 years ago are surpassed by the Longines watches of today. The Byrd Expedition to the Antarctic in the Geophysical year of 1957-58 will have better Longines watches than those carried by the first Byrd Expedition of 1928. The Longines timepieces used in the 1956 U.S. Olympic Trials far surpass those prepared for the 1940 Olympic Games. ℂ In the same manner, the new 90th Anniversary Longines watches are our all-time finest. Your Longines-Wittnauer Jeweler will be *honored* to serve you.

Longines watches illustrated—Nocturne "C", 6 diamonds in 14K gold case, 3 interchangeable straps, $225; Centaur Automatic, protected against all common hazards, 14K gold, $195. Other Longines watches from $71.50 F.T.I.

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WRIGHT'S LOFTY DREAM

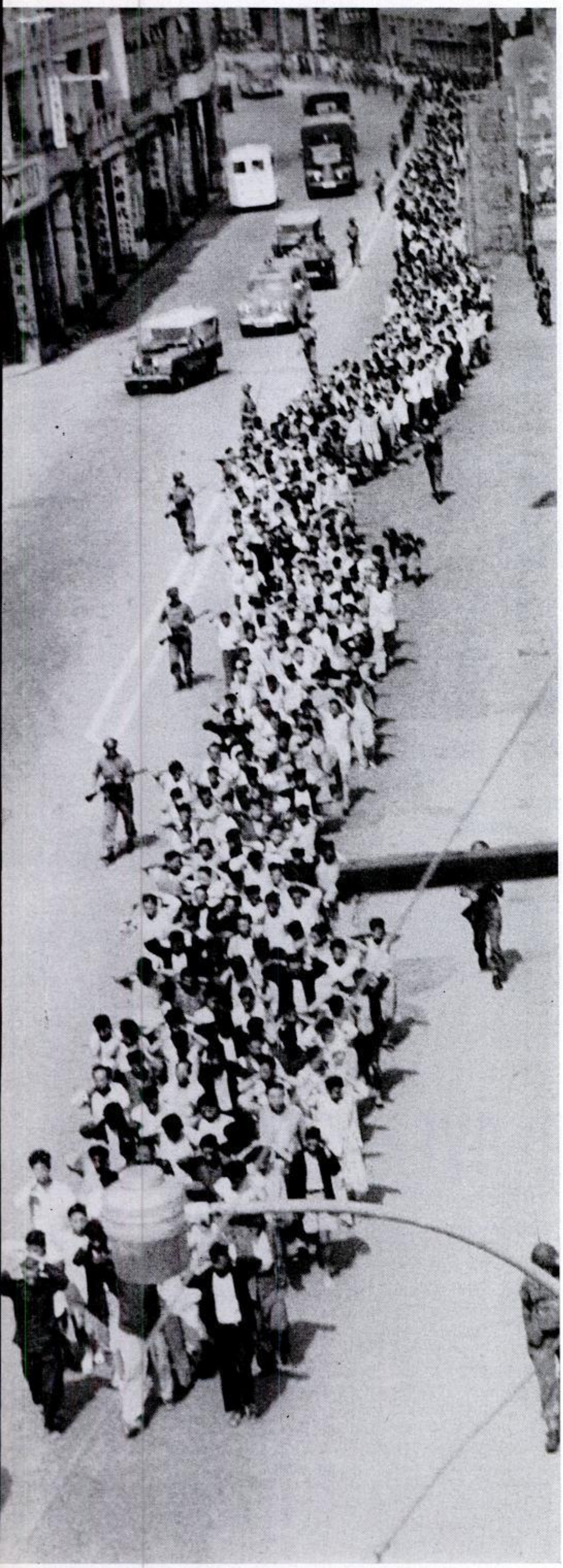
In Chicago, Architect Frank Lloyd Wright, 87, proposed construction of a mile-high, 528-story $100 million "stratosphere-scraper" that would use atomic-powered elevators. It would be five times as profitable, he said, as any conventional skyscraper. No builder expressed interest.

A ROUNDUP OF RIOTERS

In the wake of Hong Kong riots between Communist sympathizers and Nationalist Chinese, British soldiers marched thousands of suspected rioters to a detention camp. Touched off when a Chinese civil servant removed Nationalist flags from his office, the riots left 58 dead and 358 wounded, brought a warning from Red China that it cannot "ignore such disorders."



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Amazing new SAFE sleeping tablet, NYTOL helps tranquilize you... so you get your regular night's sleep!

GUARANTEED TO CONTAIN NO BARBITURATES, NO NARCOTICS, NO BROMIDES!

If you're one of those unfortunate people who at times can't sleep, but fear taking habit-forming drugs, here's amazing news!

Medical science has developed a new, safe sleeping tablet called NYTOL. NYTOL helps lull you into restful sleep. Yet NYTOL Tablets are *guaranteed* free of dangerous, habit-forming drugs. Guaranteed to contain *no* barbiturates, *no* narcotics, *no* bromides. That's why you can wake up feeling like a new person—alert, invigorated—with no morning-after "drugged" effect.

Acts on True Basic Principle

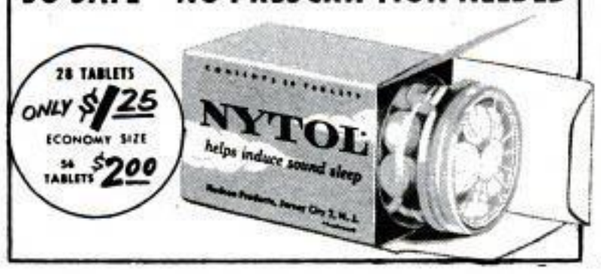
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IN FRONT OF WILDLY JUBILANT TEXAS A & M ROOTERS, R.O.T.C. CADET MARTIN ADAMS AND WIFE UPHOLD SCHOOL TRADITION BY KISSING AFTER AGGIES SCORE

TEXAS BLOWS ITS TOP OVER FOOTBALL

The season's big weekends find state with more teams, wilder spectators, gaudier half-time shows

In Texas as the football season reached its peak, the wonder was that the state's population had anything else to work at or worry over. For eight months a year Texas broods heavily about football, then swings into the real thing with apoplectic vigor. Last week, as Texas Christian played Texas A & M for what looked like the championship of the Southwest Conference (*pp. 42, 43*) and thousands of lesser teams ranging down to fourth-grade grammar school were being cheered on by howling crowds, huge bands and smartly uniformed drill teams, the phenomenon of Texas football became absolutely overwhelming.

Nowhere in the U.S. does football penetrate so deeply into all levels of living. Entire towns move hundreds of miles by auto caravan to see the local high school play. In Breckenridge on Friday night the baby-sitter problem is so acute that kids are parked in a local movie under the supervision of one master sitter during games. In one small-fry league (fourth to sixth grade) in Dallas the enthusiasm of mamas on the sidelines is so heated that referees penalize the team whose mothers get too obstreperous.

Each week swarms of small planes bearing oil- or cattlemen converge like locusts on the scenes of big games. With 17 junior colleges playing on Saturday night, 902 high schools on Friday night, and major colleges playing Saturday afternoon or night, it is possible for a fan to squeeze in four games in three days. In hotel lobbies oil wells or cotton crops are wagered on the outcome.

With roughly 110,000 players this fall, Texas has a multitude of football beef in uniform. But there is almost as much competition between gaudily dressed bands and high-stepping girls' pep squads as there is between football teams. The University of Texas has a drum which, though it issues a full, sodden sound when thumped, is treasured and advertised as the "world's largest drum," standing eight feet high. "You can't afford to win the game and lose the half-time show," says one school official.

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LIVELY DRILL TEAM from Baytown's Robert E. Lee High School swing shoulders and swirl skirts of their Confederate-type uniforms as they cheer. Counting the drill team, the cheerleaders, the band and the football team, the school puts 308 students in uniform for each game. The school's enrollment is 1,900.

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3,000 MUSICIANS from 52 bands serenade University of Houston at half time of game with Mississippi State at Rice Stadium. Also on field are 300 majorettes.

INDIAN CAMP with circles of tepees and fires is part of elaborate homecoming celebration at McMurry College in Abilene. In foreground is the big council fire.

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CAGED COUGAR, University of Houston mascot, at cocktail party before Houston game with Mississippi State is visited by multimillionaire Hugh Roy Cullen (*left*) and university President A. D. Bruce.

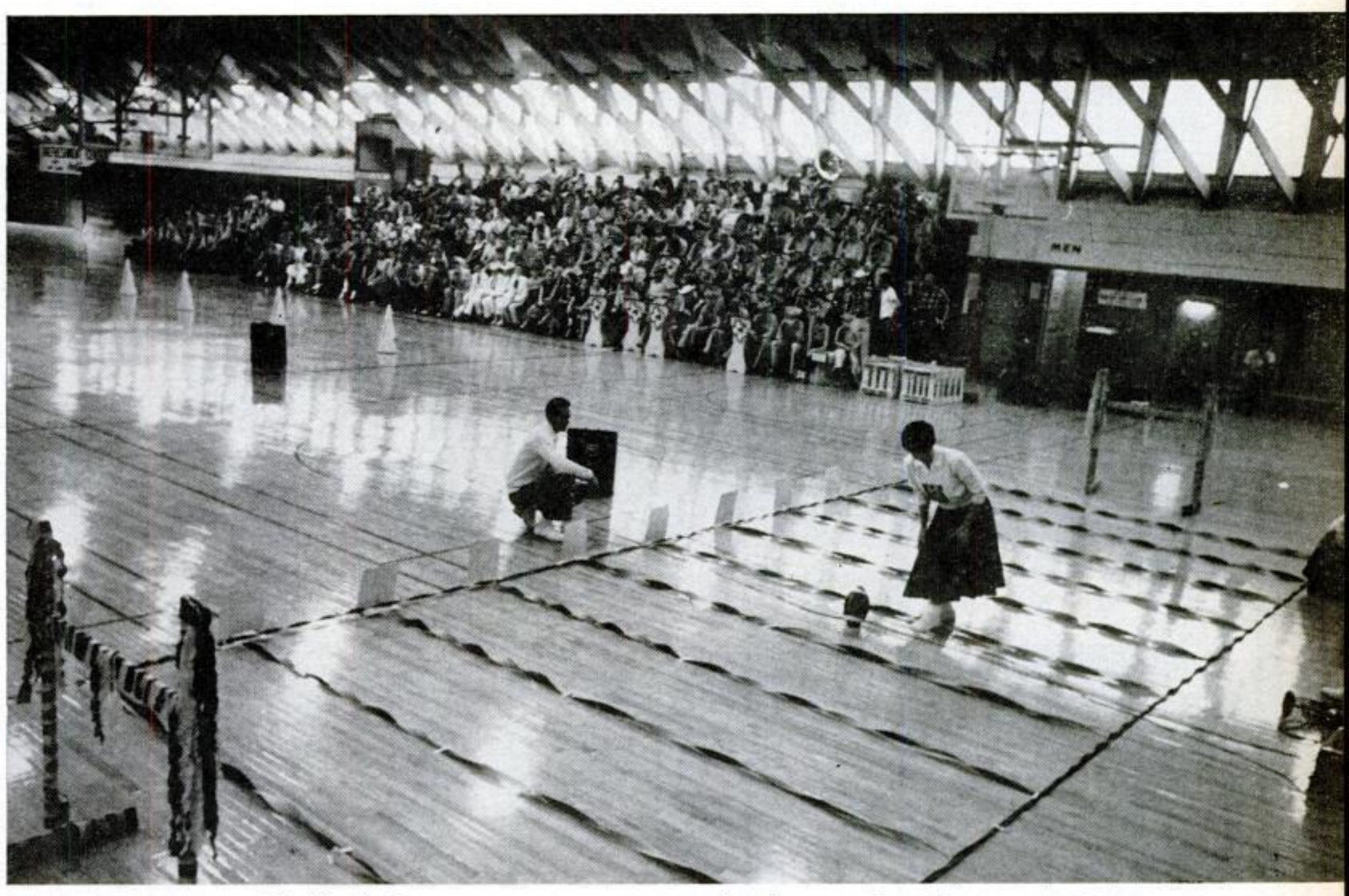
PAGEANTS, PEE WEES AND PLENTY OF PEP

The state's football mania infects everybody —millionaires who show up at pre-game parties, mothers who energetically egg on the players in pee wee contests. From Thursday night games played by tiny high schools on dusty fields through the bigtime college parties on Saturday, a large part of the state gladly gives itself over to football celebrations. Even small McMurry College (*opposite page*) puts on a highly elaborate homecoming. The biggest blowout this season took place in Dallas when the University of Texas played Oklahoma and more than 50,000 football-happy fans poured into town for a boisterous weekend of rooting and revelry. On their two-day toot in Dallas, fans spent over $2 million.

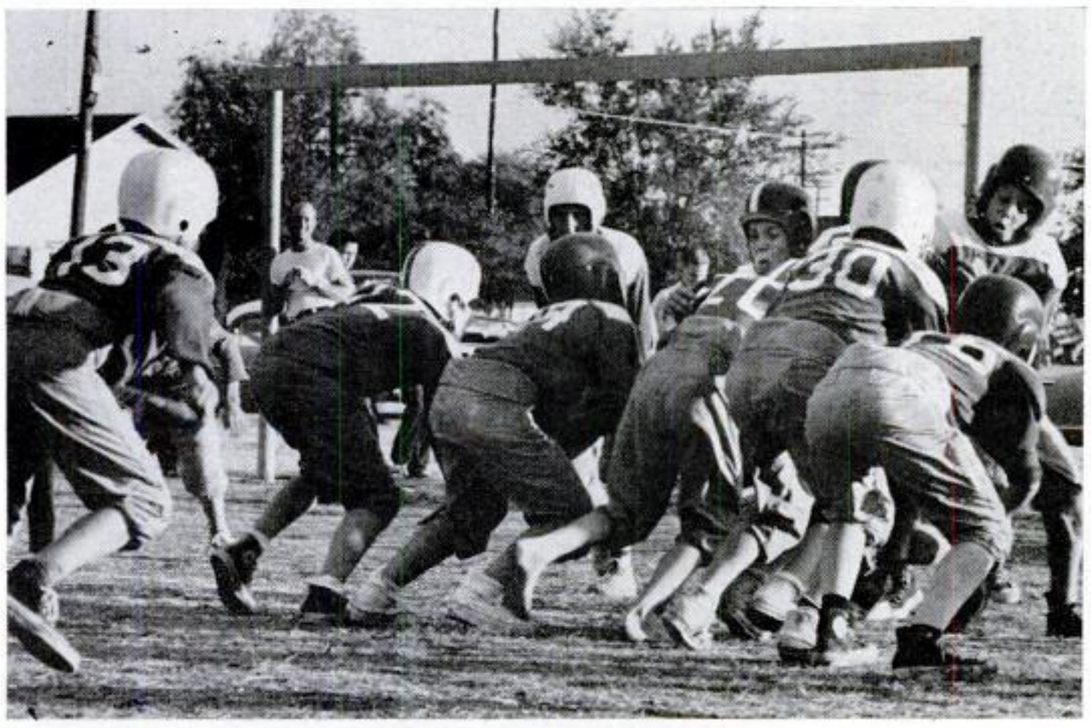
The sport brings many expressions of enthusiasm, none more striking than that shown by Oilman Hugh Roy Cullen (*above*) who was so pleased when the University of Houston upset Baylor a few years ago that he went to a rally just to announce a gift of $2,250,000 to the university in his adopted home town.



GAME IN THE DUST of drought-stricken Texas Panhandle is played by six-man teams from Paint Creek and Benjamin high schools. Twenty-three of the 26 boys in Paint Creek school are on the squad.



GAME IN THE GYM enables Hardin-Simmons rooters to follow the ball on a gridiron marked by crepe paper as they listen to the radio account of game with George Washington U. in Washington, D. C.





GAME IN MINIATURE is played by Dallas sixth-graders and avidly followed by group of mothers on sidelines. Players wear regular equipment and uniforms except for rubber-soled shoes, occasionally go barefooted like quarterback in center. During timeouts they frequently get advice from parents.

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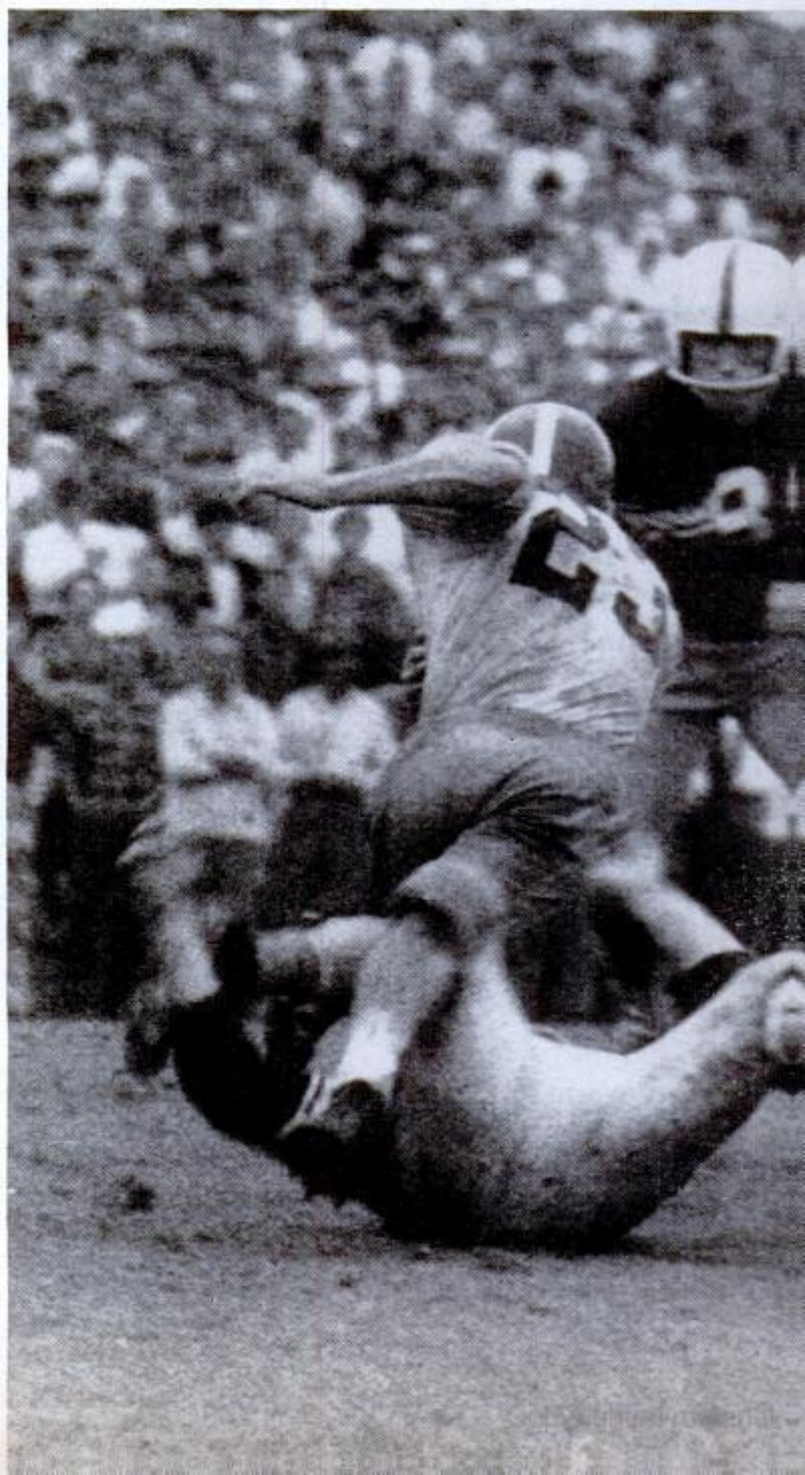
TOUGH FOOTBALL, RUGGED FANS—AND EVEN ROUGHER



BEST IN TEXAS, unbeaten Texas Christian and Texas A & M battle each other and the weather in week's big game. Heavy rain and gusts up to 70 mph caused teams to fumble and never-say-die fans to huddle under blankets (*in background*). Scramble on field is result of T.C.U. fumbling ball on Aggies'



RAIN-SOAKED ROOTERS from Texas A & M raise arms in cheer as Aggies block T.C.U. touchdown.



AGGRESSIVE AGGIES stop T.C.U.'s Swink (No. 23). They came from behind for exciting 7-6 win. →

TEXAS WEATHER



(dark uniforms) five-yard line. T.C.U. recovered but was held by Aggies, who made two goal-line stands.





ADMIRING A HERO, two Texas Christian mascots kneel attentively in front of Jim Swink as he rests in Arkansas game. The leading college scorer last year, Swink is current idol of Texas youngsters.

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EDITORIAL

THE BOMB IN POLITICS

CANDIDATE ADLAI STEVENSON HAS GRABBED THE VERY SMALL END OF A VERY BIG ISSUE

Estes Kefauver told a Democratic friend several weeks ago that he and Adlai Stevenson were getting "sort of desperate" for a good issue that would win "the women's vote and the peace vote" the way Ike did in 1952 with his I-will-go-to-Korea talk. Last week Adlai took out of his dwindling suggestion box what he hoped would be the vote-getting "big bang" —a demand that the U.S., Russia and Britain join in banning further tests of big H-bombs. Seldom has there been a smaller political explosion.

Stevenson stirred up a few cheers among scientists but the average voter gave such a yawn that even Democratic pros conceded the issue, as politics, was a bust. The public attitude was that ordinary citizens can't judge a complicated thing like that. "When people out here get behind the barn to talk," said former Democratic Congressman William R. Thom of Canton, Ohio, "they don't talk about things like this." In Kansas City, a couple of folks suggested that Adlai could have done better had he blamed the bomb tests for the Midwest drought. A south Boston Democratic wheelhorse summed it up succinctly: "What the Democrats need is an issue that will appeal to the women's vote, and this ain't it."

•

Nevertheless, there is a real service to be rendered to the nation by bringing into the arena of public debate the mounting hazards of the atomic age, which, even if the world manages to avoid nuclear war, are still very large and very frightening. And Stevenson was on the track of this vital issue. It is time the public knew more about these hazards, showed more interest in them and grew more concerned about them. Stevenson deserves criticism not for raising the issue but for raising it from the wrong end, in an incorrect, ill-informed, irresponsible way. He mistakes a minor aspect of the whole big problem for the core of it. So far as LIFE has been able to get at the scientific truths in this incredibly complex and probably too secrecy-ridden subject, Stevenson is more than half wrong in all of his major assumptions. Here they are, with his errors:

▸ *We don't need to test any more big H-bombs because they are already big enough.* Wrong. They are big enough but size isn't everything. Some weapons now being sought—like those to intercept and blow up nuclear missiles aimed at us—will need big explosive force in a small warhead, and will eventually have to be tested. So will major offensive weapons like the intercontinental missile.

▸ *A ban on big tests would be foolproof because our detection devices could spot any violations by the Soviets.* Wrong again. The size of the bombs has no fixed relation to their detectability. What is detected is the amount of radioactivity they generate—largely a product of fission. The H-bomb, a fusion bomb which uses a fission A-bomb as a detonator to liberate the energy of hydrogen, is a relatively "clean" bomb unless it is made "dirty" (more radioactive) by using the tremendous heat of fusion to set off another fission process—triggering chain reactions in raw uranium which otherwise would not fission. By leaving out the third stage, the Soviets actually could test fairly big "clean" H-bombs without our being sure of detecting them.

▸ *If Soviet violations required resumption of tests, we would lose no more than eight weeks in resuming our own.* Badly wrong. Each single test is an elaborate, tailor-made operation which takes from one to two years to organize and complete. During such a time lag, if we stopped our tests, the Russians, testing secretly, could achieve a decisive technological "breakthrough." Efforts to maintain research on weapons which could not be tested would be intolerably frustrating to our own scientists, who have to try out their ideas to know if they will work or not.

▸ *The tests poison the air with radioactive contamination which can cause bone cancer and "affect the reproductive processes."* Exaggerated. According to a special study by the National Academy of Sciences, the present rate of bomb tests could be continued for 30 years without exposing individuals to more than 0.1 of a Roentgen (the measurement used for radioactivity), compared to 4.3 Roentgens the ordinary individual gets in 30 years from cosmic rays and the natural radioactivity of the earth plus three more Roentgens he gets from medical and dental X-rays, fluoroscopes, etc. The genetic damage this additional radiation might cause was pronounced negligible.

All this being true, it is still a good thing to talk about the issue. It is unquestionably also true that the longer nuclear explosions go on, and the more additional nations join in making them (Britain starts next year, Sweden is getting eager), and the more powerful these explosions grow as techniques improve—the sooner the atmosphere will indeed be contaminated to a dangerous degree. Even at the present time, none of the by-products of the tests are beneficial. The radioactivity they liberate does add, even if only slightly, to the mutations being caused by damage to our reproductive genes. And the Strontium 90 being created, in doses far below what is presently regarded as tolerable limits, does have the power to cause bone cancer. And the more of it there is floating around the more bone cancer it will cause. Therefore it is well for these hazards to arouse the public, both here and elsewhere, so that a rising clamor of world public opinion may force an international agreement to ban or limit tests, an agreement that could be enforced.

•

Stevenson's greatest and most serious error is his proposal of a ban with no conditions. Nobody spotted it more quickly than the Soviet Union's U.N. delegate Arkady Sobolev who the next day announced that the Soviet was ready to ban *all* nuclear weapons testing "without conditions." The phrase sounds magnanimous, but is the very reason why Russia would accept. "Without conditions" nobody could tell for sure whether they kept the agreement. They have broken many others. If they broke this one it might be in a way that made it our last.

Certain minimum conditions would be necessary to make even a partial ban on tests workable. At the very least, it would require Russia's permission for U.S. monitoring teams (and vice versa) to be stationed within reasonable distances of major testing areas. To have any meaning, the ban would not be limited to the *size* of bombs, as Stevenson urged, but to the amount of radioactivity they would be allowed to generate—their "dirtiness." A total ban on all tests would require the sort of complete inspection, by each side, which President Eisenhower has time and again offered to the Soviets and which they have time and again refused.

Until the Soviets are willing to accept the kind of genuine testing ban that would really work, no President, Republican or Democrat, knowing all the facts, could fulfill his oath and take the awful risk of the sort of boobytrap ban that Stevenson has mistakenly proposed. To do so would dangerously let down the guard of national defense which it is the President's job as Commander-in-Chief to maintain.

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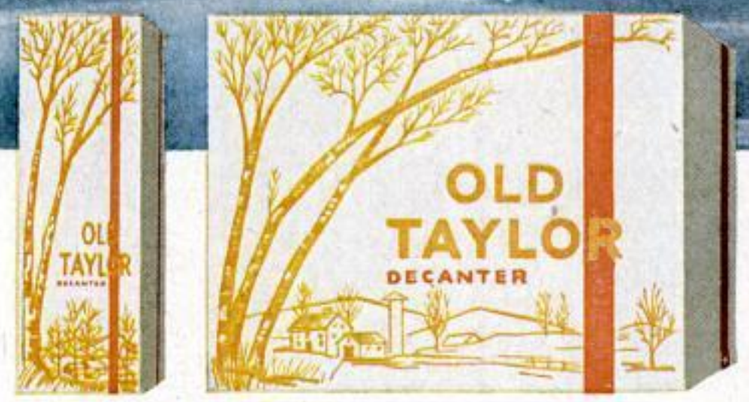
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1956 Presentation Decanter

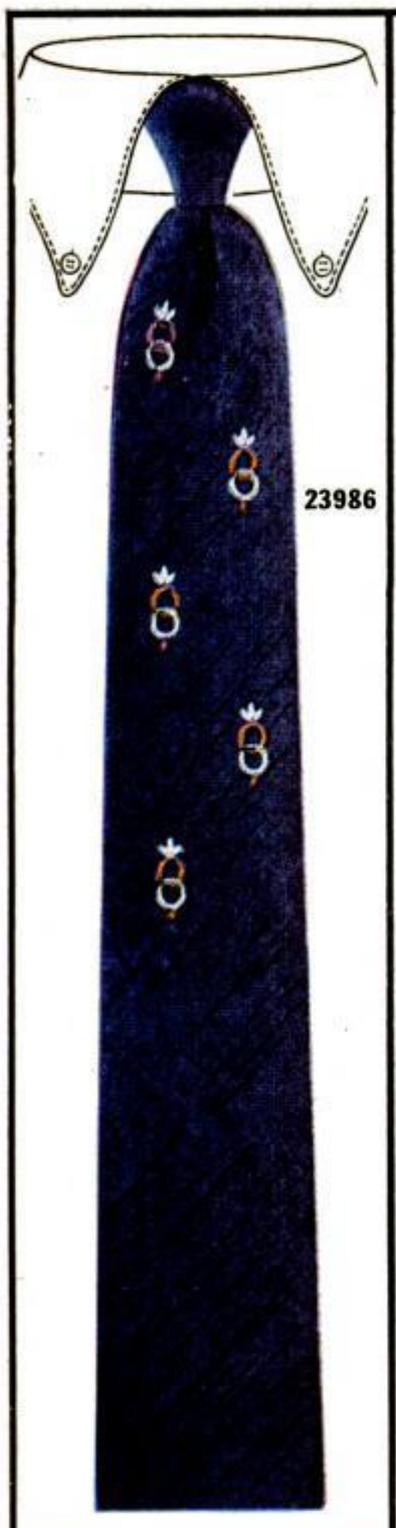


JUST IMAGINE A GIFT LIKE THIS!

Both the Old Taylor Presentation Decanter and the regular bottle are available in Gift Cases of one dozen, with beautiful holiday cartons of matching design. What a splendid gift a full case will make for the V.I.P.'s on your list!

KENTUCKY STRAIGHT BOURBON WHISKEY • 100 PROOF • BOTTLED IN BOND • THE OLD TAYLOR DISTILLERY CO., FRANKFORT, KY. • DIVISION OF NATIONAL DISTILLERS PRODUCTS CORP.

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23986 A handsome Dacron fabric in a perfect Blue, to brighten up Blue or Gray clothing. Silk embroidered.



23954 A fine Dacron foulard, in light Maroon to wear with Blue, Brown or Gray clothing.



23981 Full bodied, tie weight linen. Each tie officially labelled "IMPORTED IRISH LINEN—Silk embroidered."



23718 A Tan acetate tie with White cords woven in. Figures under the knot are "Cone appliqued".



23891 A sportsman's motif, Silk-embroidered on MALLINSON'S soft gabardine (a new effect in rayon).



23950 A special for Brown clothing. An extremely practical Dacron tie, colorfully embroidered in silks.



23971 Brown rayon jacquard—called "horizontal" or "ladder" stripe pattern. Newest of the new for '57.



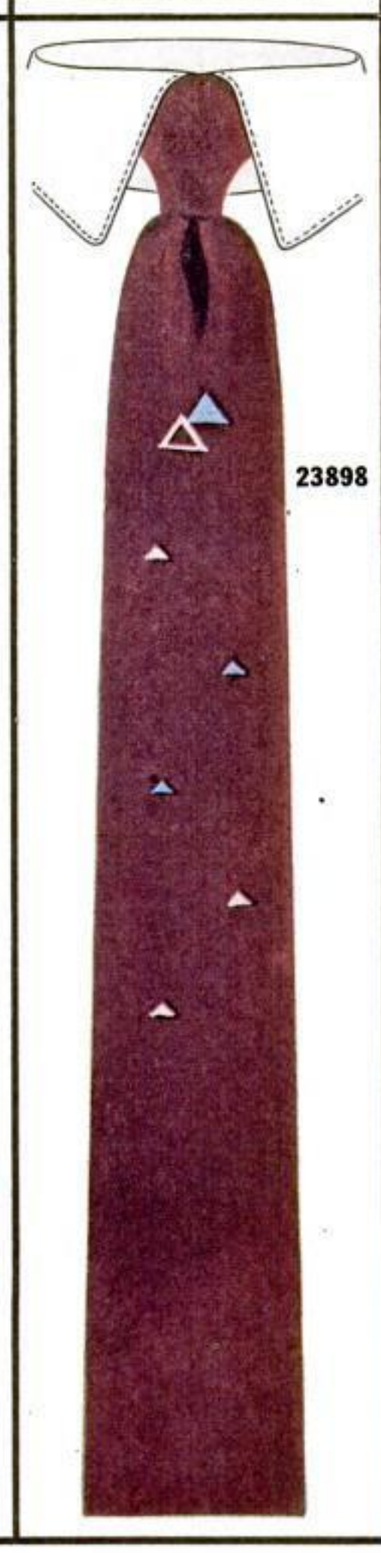
23983 A basic Blue in Rayon, richly complementing Blue or Gray clothing. Jacquard pattern, not printed.



23896 Charcoal Gray in a frosted, full bodied Nylon fabric, enlivened with Silk cross-stitch embroidery.



23984 The new favorite "all over" pattern on a long-life Dacron. Light toned and WASHABLE.



23898 A long wearing, knot-holding tie cut from a 100% Nylon fabric—embroidered with Silk.



23985 Every detail jacquard-woven by inter-weaving of hundreds and hundreds of fine rayon fibres.

Also SOLID COLORS in NYLON

MAROON	304
NAVY	303
GREEN	309
BROWN	306
ROYAL	302
RUST	312
MAIZE	311
GRAY	308

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←—The remarkable necktie pictures across the opposite page are an example of industrial color photography at its best. At the same time, they illustrate what might well be the 12 men's neckwear fashion leaders for the coming season.

These are the twelve ties which 1,000,000 style-conscious patrons of the old Haband Company, of Paterson, N. J., have tentatively approved. It is known throughout the men's wear trade that over a million business and professional men in every city, town and hamlet in the U.S., send to Haband for their ties. Merchandising experts have pondered over this mail-order phenomenon. They wonder how Haband does it. But no one seems to match Haband's quality, styles and values at Haband's low mail-order price.

A ready answer can be found in the necktie pictures shown here. When a customer approaches the necktie counter in a store, he is confronted by a fantastic array of colors, fabrics and patterns. Confused by a welter of prices. Bedazzled by preposterous "mark-downs" which he does not stop to analyze. At all times a sales clerk is at his elbow, to influence him should he hesitate.

In contrast, Haband sets out one neckwear wardrobe of 12 consumer-selected ties. Each bears the approval of style-conscious men, who have backed their selections by ordering these ties themselves. Price hardly enters the customer's mind, for all Haband neckties are one price. And, a low price indeed! Vast volume, mass production, intensive specialization, and mail-order economy are applied to hammer the price down to where it has little to do with the buying decision. The Haband customer is given the facts but no sales talk. He has only to decide which ties he likes. He knows in advance he can easily afford them, and that they are value-right.

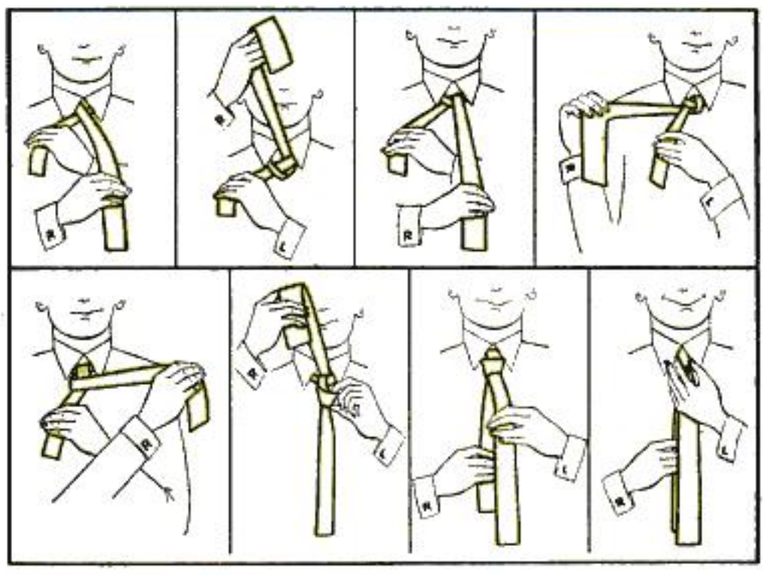
For instance, he needs no one to tell him he is correct when he picks a Dacron. He's seen many a Dacron priced at $2.50 elsewhere—has probably owned a couple. He knows how beautifully they stand up. He (or his wife) has washed one of them in the bathroom basin and the next morning put it on his fresh shirt almost as though he were wearing a brand new tie.

Likewise, he needs no one to tell him what remarkable ties Nylon makes. The men's wear trade has rushed on to newer things. But well-dressed men have not forgotten Nylon, the first of the Dupont miracle fibres. There are probably a half-million Haband solid-color Nylon neckties being worn all over the country today. And no sign of a let-up in Nylon's popularity.

Yes, indeed—Dacron and Nylon, Dupont's miracle yarns, make wonderful ties. We know this at Haband if anybody does. We've sold millions of them. But even Dacrons and Nylons have their limitations. Colors, for instance—plus technical problems, for fine neckwear is more than just garment-making. So we turn to other yarns, blends, processes and mixtures—fine acetates, rayons, linens, jacquards, roller prints and screen prints, imported and domestic fabrics—the modern and the traditional, for extra value and style interest. All the famous textile houses—Mallinson, Celanese, Burlington Mills—even the importers, quickly come to us with their newest.

A wonderful linen came over from Ireland recently. Woven in Dublin *Ireland*, not Dublin, N. Y. or Dublin, Mass. We bought up every yard the Irish weaver would sell us. Had it shipped over here. Had it made up into full-cut Irish linen neckties. Then we piled value on value with intricate silk embroidery (there's a colony over here in Jersey known as "Little Switzerland", where this work is painstakingly done). For a final touch of sheer luxury, we stitched on a beautiful woven label reading *Imported Irish Linen Silk Embroidered.* Irish and U.S. Govt. authorities don't stand for any shenanigans. You don't have to be told what they'd say unless every word on that label was so. And it's a beautiful label. If you're tired of other people flashing labels on you, try flashing this on them. Then get them to guess how much you paid for the tie. If they don't say $2.50, they're kidding you.

Haband's jacquards (you have four to choose from) where the design is woven into the cloth, is another unusual neckwear value. Look the word up in your encyclopedia. You'll find that Monsieur Jacquard invented his loom a century and a half ago, and began a stir that ended with the French Govt. taking over his process! Nothing has been found since that beats old M. Jacquard's way to weave designs into cloth. In proportion there are not many jacquard looms around, though right here in Paterson, the old "Silk City of America", some of them are still weaving beautiful premium-priced fabrics.



Now let's move on to the Mallinson Sheen Gabardine. Mallinson is one of the world's great textile names. This stunning new rayon weave of theirs takes and holds a knot in a special way of its own. It might even be called crush-resistant too. The tie is again luxuriously silk-embroidered. A buyer in one of our silk houses saw this tie being worn by a Haband executive. He grunted, "I'm in the business too—but darned if I can afford a $5 tie like that."

We told that story to a friend in the men's wear trade. He challenged it. We pulled tie after tie out of our office safe, bearing famous New York store labels with price tickets of $2.50 and even more. (One was displayed at $2.50 that same week in Fifth and Madison Avenue windows.) We showed him Haband duplicates of the exact same ties—identical in every material way—which we had sold to our customers at *less than half!* No wonder our imitators give up.

Men's new attention to appearance probably accounts for the swing to the square-end "bobtail". Judging not only by Haband orders, but by what's going on in the better necktie factories and the higher-price stores, bobtails will be dominating the market a few months from now. Haband's bobtails are not skimped or economized but luxuriously rich and full-cut, with the generous feel men like in a tie. The big ends have a tough wool inner lining, to stand the beating of everyday knotting and wear. (Try them in a semi-Windsor knot. The adjoining diagram shows you the easy way.) In addition, the pointed ties also have an extra luxury lining at the open end. This is something you won't always see in ties selling at twice the Haband price.

And now to business. What *do* they cost? Should we start by saying our ties, too, "were" $2.50 and are now less? Should we too employ the old merchandising gimmick of "Made to Sell For $2.50, Now 50% Off"? Should we rave about "end-of-season mark-downs", or "beginning-of-season advance sales"? Or "special price to new customers"? We think not. We'll stick to the facts.

We make these neckties to be sold in sets of six—at just $1.12½ per tie. We do it so well that in 30 years we have never had a sale of any kind. Never marked down our price. Never had a close-out. Never had to fall back on any of the time-worn merchandising stunts, to bam-boozle you or cover up our mistakes. When we put a necktie on the market, we know there's a man waiting to buy it. We know he doesn't want a left-over, just because the price is marked down to where it probably should have been in the first place.

Will you inspect a set of these fabulous new Haband neckties, ON APPROVAL? Yes, right in your own home—and *entirely at our risk.* All you need do is pick the half-dozen you would like to see.

Pick six—ANY SIX—of the ties on the opposite page. Check your six choices by number on the coupon below. Print your name and address plainly. Mail coupon to Haband Tie Co., Paterson 2, N. J., with your check for only $6.75, FULL PRICE FOR ALL SIX TIES. That's only $1.12½ apiece.

The six ties you pick will be shipped postpaid the same day your order is received. Every tie is guaranteed to be exactly as you order. The same colors, patterns, fabrics. Leading business associations or your own postmaster can vouch for us. Or if you inquire, you'll probably find a surprising number of your own associates are wearing Haband ties right now. However, if you don't want to wear the ties when you see them, send them back. Your money will be immediately refunded.

HABAND TIE CO., Paterson 2, N. J.



All our pointed ties have EXTRA LUXURY LINING at both ends!

Less than 6 Ties **$1.50 Each**

6 for $6.75 (and HABAND pays the postage)

7 for 7.88 | 8 for 9.00 | 9 for 10.13

10 for 11.25 | 11 for 12.38 | 12 for 13.50

HABAND TIE CO., Paterson 2, N. J.

You may send me the.....ties I have listed and for which I enclose herewith, a $.....remittance.

It is understood that if upon receipt of ties, I find any that I don't want to wear I can return them and have my money refunded promptly and without question.

U. S. A. ONLY

Name.....
(Please Print)

Street.....

City.....Zone.....State.....

CHECK CHOICE BELOW

23986 ☐	23971 ☐
23954 ☐	23983 ☐
23981 ☐	23896 ☐
23718 ☐	23984 ☐
23891 ☐	23898 ☐
23950 ☐	23985 ☐

Solid Colors.....

REMITTANCE IN FULL MUST ACCOMPANY ORDER
No C.O.D.

Full price refunded if for any reason you don't want to wear the ties and return them to us.

WE GUARANTEE Immediate Delivery and NO SUBSTITUTIONS

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CRYSTAL, beautiful transparency on a carved crystal heel.

Party Favorites for After Five

For party-ing . . . or just looking pretty *any* time . . . these will be the shoes you'll *love* to wear. So sure to bring compliments, admiring glances—crystal bright in vinylite or dramatically stated in jet black. Here's high fashion and high flattery on the highest heel *ever* for a beautiful Red Cross Shoe.

Largest selling brand of fine footwear in the world. Styles from 9^{95} *to* 13^{95}

BIZARRE, gleaming vinyl veiled with golden threads.



CABARET, precious peau de soie lighted with rhinestones.



SARAFINA, crisp pleated faille on cashmere-soft suede.



The United States Shoe Corporation, Cincinnati 7, Ohio

These shoes are manufactured and distributed as Gold Cross Shoes in Canada by B & L Shoe, Ltd., in England by Somervell Bros., Ltd., in Australia by "Gold Cross Shoes" (Aust.,) Pty. Ltd., in South Africa by Eddels (S.A.), Ltd., in New Zealand by Duckworth, Turner and Co., Ltd.

THIS PRODUCT HAS NO CONNECTION WHATEVER WITH THE AMERICAN NATIONAL RED CROSS

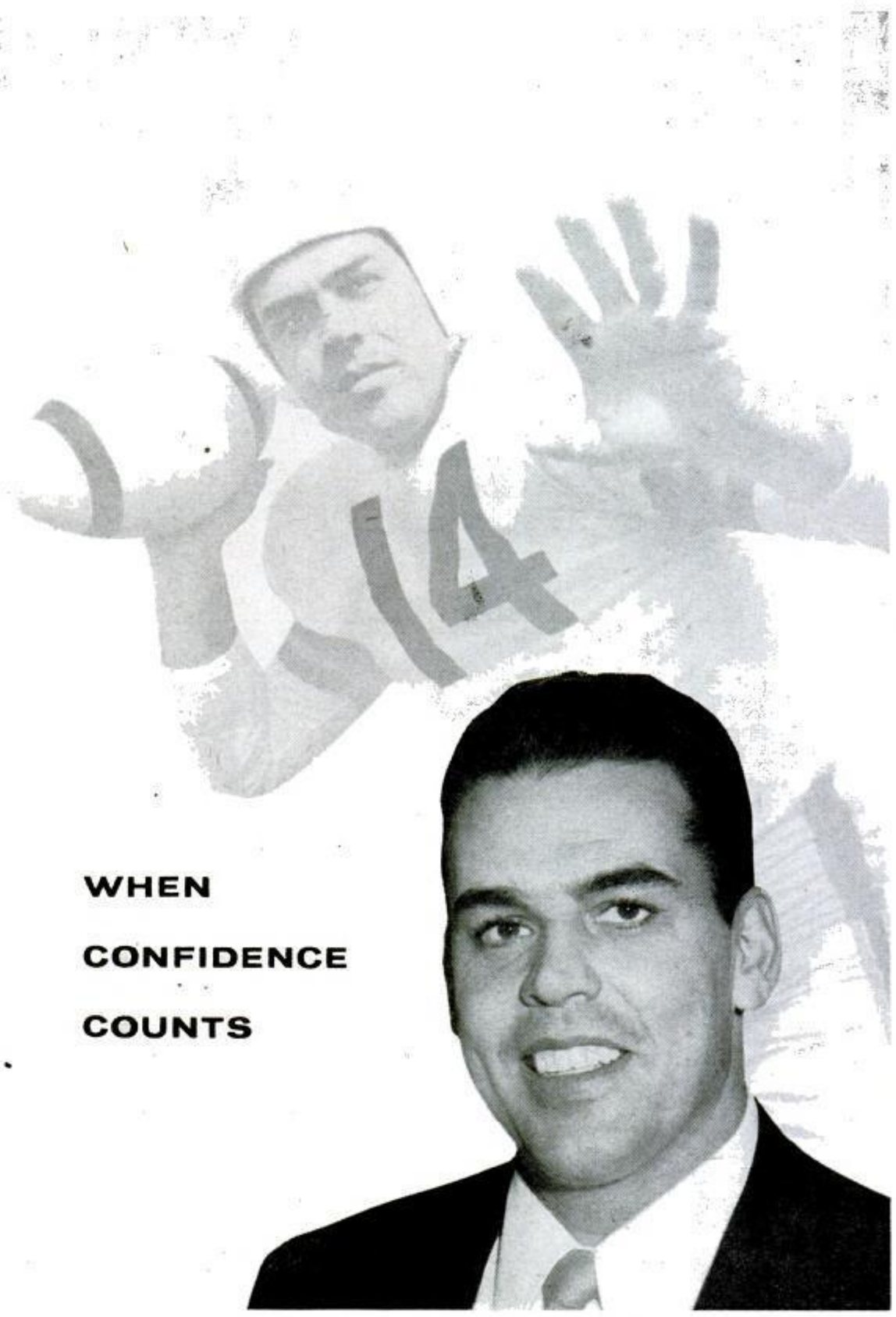
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HOW TO BE VERY, VERY SCARY

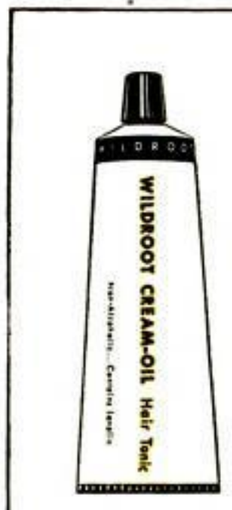
IF YOU WISH TO BE, TURN THE PAGE

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Otto Graham, star quarterback of the championship Cleveland Browns professional football team.

OTTO GRAHAM is the kind of fellow we picture as a Wildroot Cream-Oil man, a self-assured he-man with a neat appearance and an air of quiet confidence about him. Confidence is something we all need when it's important to make a good impression on other people. And confidence begins with a good appearance which naturally means well-groomed hair. That's why you should use non-alcoholic Wildroot Cream-Oil. It contains Lanolin to keep hair handsome and healthy looking, neat but *not* greasy. Use Wildroot Cream-Oil every morning and have confidence in your appearance all day long.



Start the day right with

Wildroot Cream-Oil

Remember! The new *large size* saves you money!

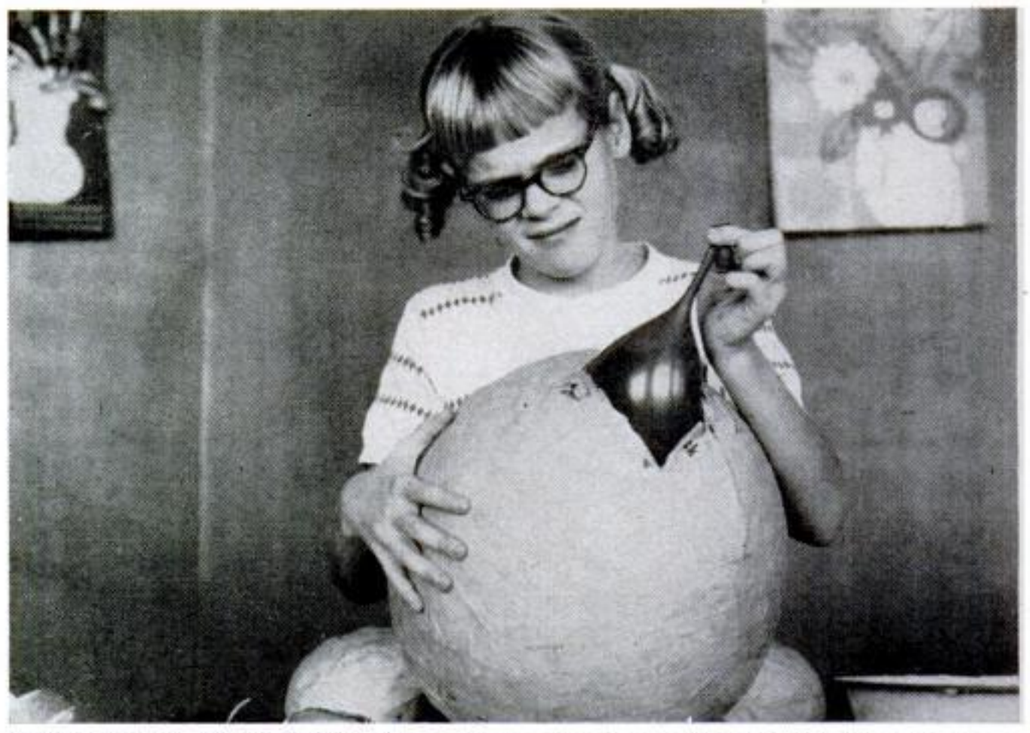


EERIE HALLOWEEN MASKS

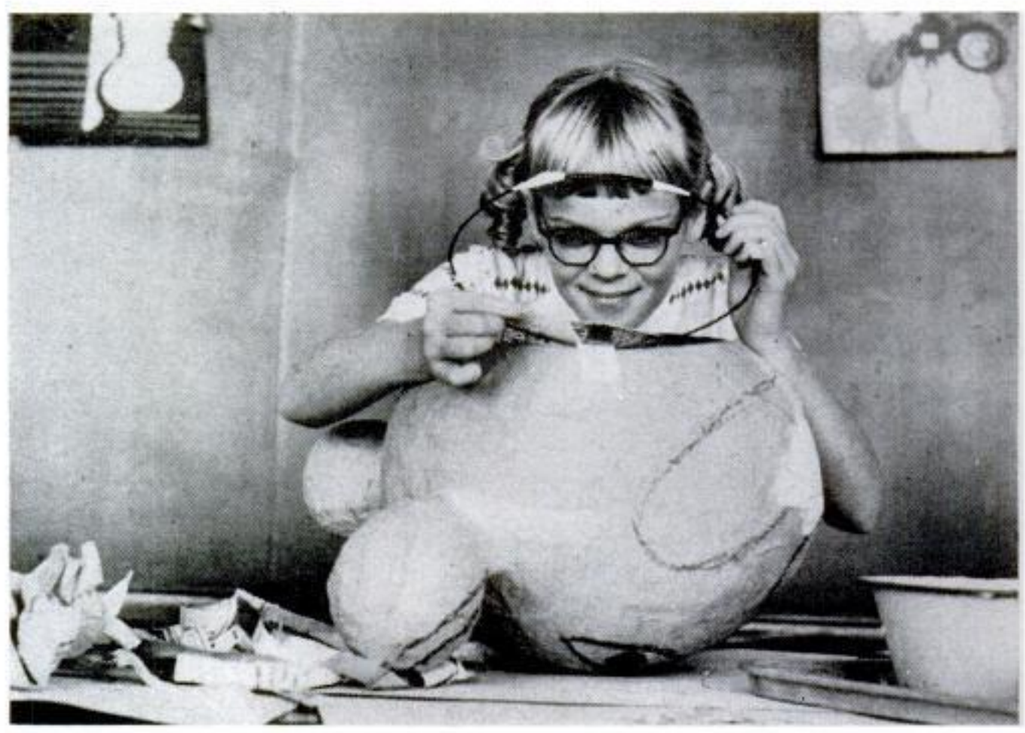
All week long the pupils at P.S. 78 in Buffalo, N.Y. have been busily constructing the scariest Halloween masks ever. Made of layers of paper pasted together and molded over balloons, they are the invention of a local art teacher named Matthew Baranski. He got the idea during the war from the British, who built temporary igloolike houses by inflating large balloons and then plastering them over with concrete. Adapting this principle for Halloween, Baranski has taught his pupils to make huge hollow heads which, ornamented with bulbous noses, distended ears and gaudy patterns of paint, should thoroughly buffalo their fellow Buffalonians when the big night comes.



BEGINNING A MASK, sixth-grader Sandra Person covers a large balloon with overlapping paper strips held together by paste on their upper surfaces.



REMOVING BALLOON, after adding extra layers for rigidity, Sandra draws it from head. Balloon is easily freed because inner layer was not pasted to it.



INSERTING WIRE RING, she insures opening in head's base will hold its shape when she wants to put hers in. Ears were formed over small balloons.

CONTINUED

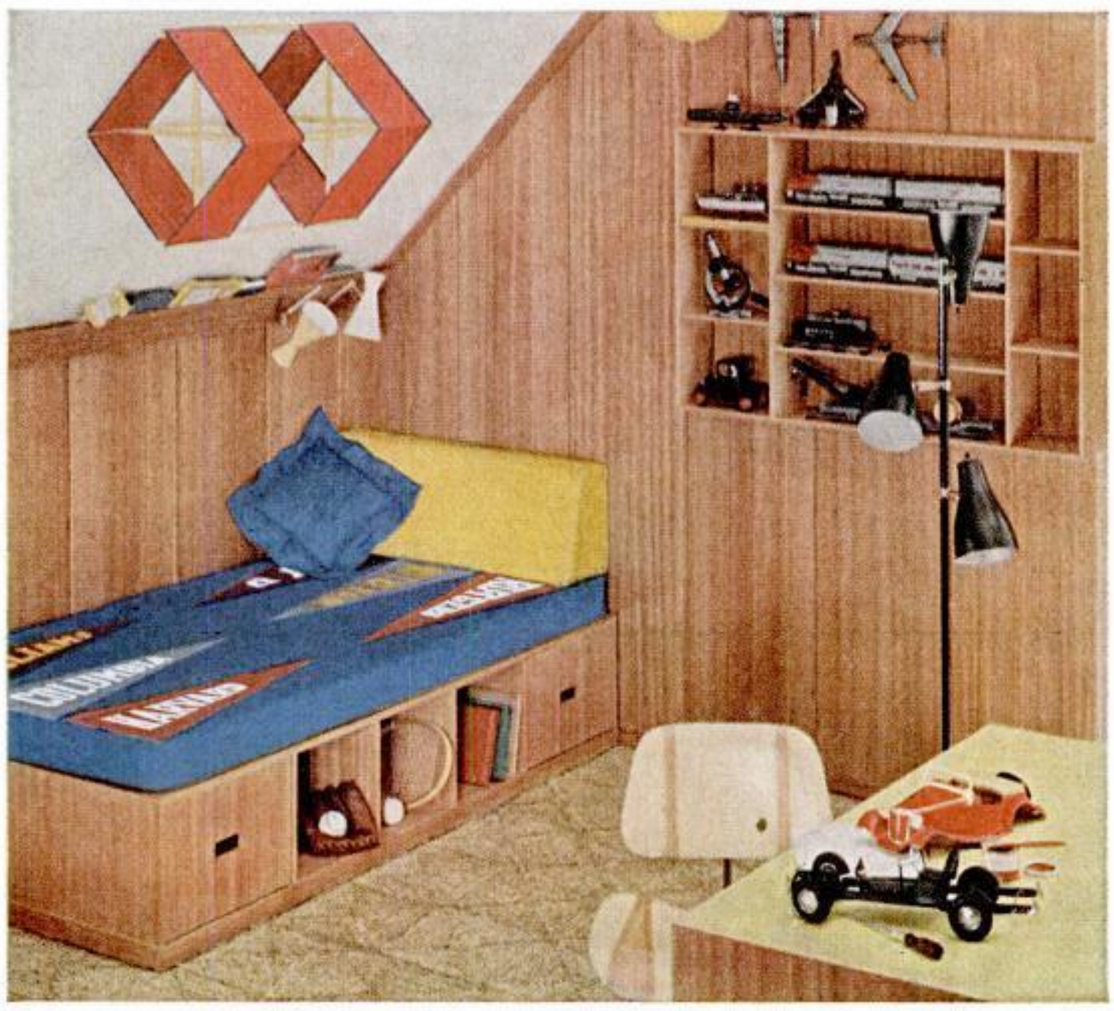
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Samara* —swirling-grained African hardwood—gives spirit to this room. This paneling is Samara V-Plank; 4-by-8-foot panels grooved to give a random-plank effect. The grooves hide nail holes and joints, too. Panels come finished and waxed like fine furniture to save you time and trouble. A 12′ x 8′ Samara V-Plank wall costs $52.



American Cherry makes a room warm, comfortable, easy to live with. This paneling too is V-Plank*—also available in walnut, Samara, oak, Korina®, and mahogany. Prefinished V-Plank — like all Weldwood interior paneling — is guaranteed for the life of your home. You can cover a 12′ x 8′ wall with Cherry V-Plank for $80.



Philippine Mahogany turns a plain attic into a boy's paradise. The wall is Plankweld** — the easiest paneling of all to install. Each panel is 16¼″ wide and goes on with special hidden metal clips. Other prefinished Plankweld woods: birch, Korina, oak, walnut and knotty pine. Mahogany Plankweld for a 12′ x 8′ wall costs only $60.



Walnut has an easy-going dignity that suits both contemporary and traditional furnishings. Here, 4-by-8-foot prefinished panels cover the wall, end the need of ever painting or redecorating again. And you can choose from oak, Samara, Korina, mahogany or cherry. Surprisingly, this 12′ x 8′ walnut wall costs only $80.

Start this weekend to have wood paneled rooms like these

Your Weldwood dealer will help you (1) plan the room, (2) select all your materials, (3) arrange easy payment and (4) obtain a contractor if needed.

Today it's easy to have rooms you can be proud of. For Weldwood has collected woods from all the world and has finished them like fine furniture.

And what a sensible investment Weldwood paneling makes. It not only makes your home easy to care for, but actually increases its value. Your dealer will help you with planning and financing your project, and even recommend a contractor. Find out all about Weldwood paneling at your Weldwood dealer's or any of our 87 offices in major cities. In Canada: Weldwood Plywood, Ltd.

**Registered & Patented *Trademark

WELDWOOD®

Wood Paneling

A product of **United States Plywood Corporation**

NEW DECORATING IDEA BOOK

United States Plywood Corporation
Box 61, New York 46, N. Y.

Please send me a copy of the full-color, 20-page decorating idea book, "Beautify Your Home with Weldwood Paneling." I enclose 10¢.

L10-29-56

NAME.....

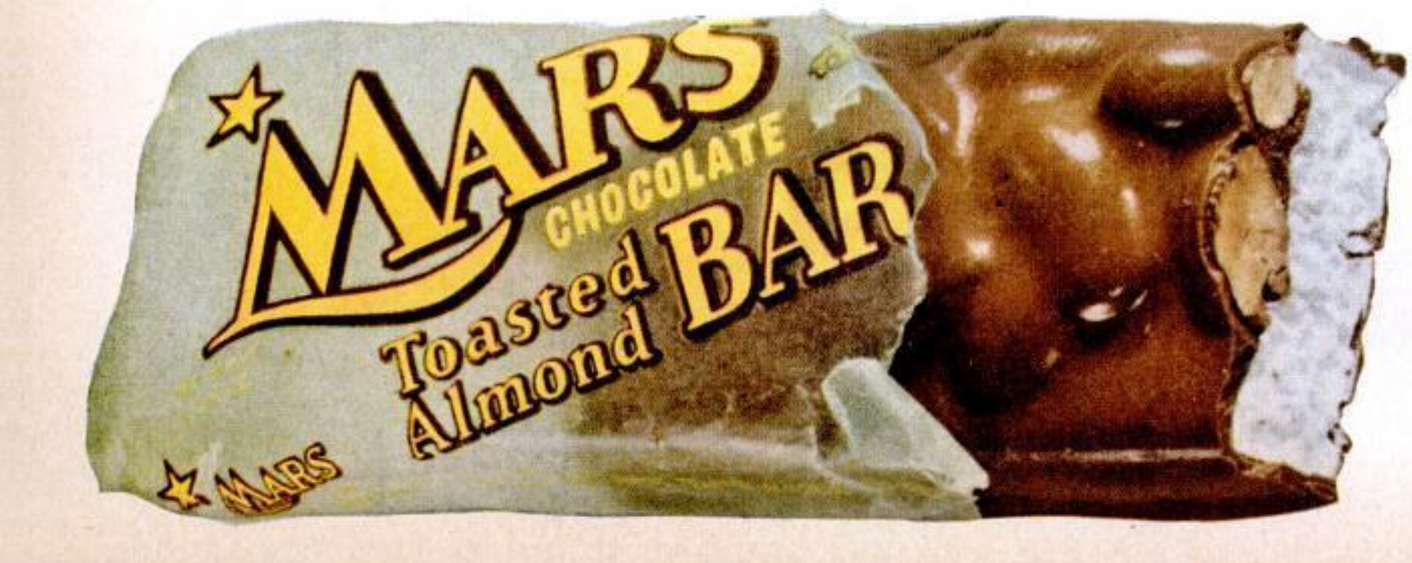
ADDRESS.....

CITY.....**STATE**.....

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it's the Chocolate-
it's the Nougat-
it's the Nuts!

MARS...the 3-flavor candy bar



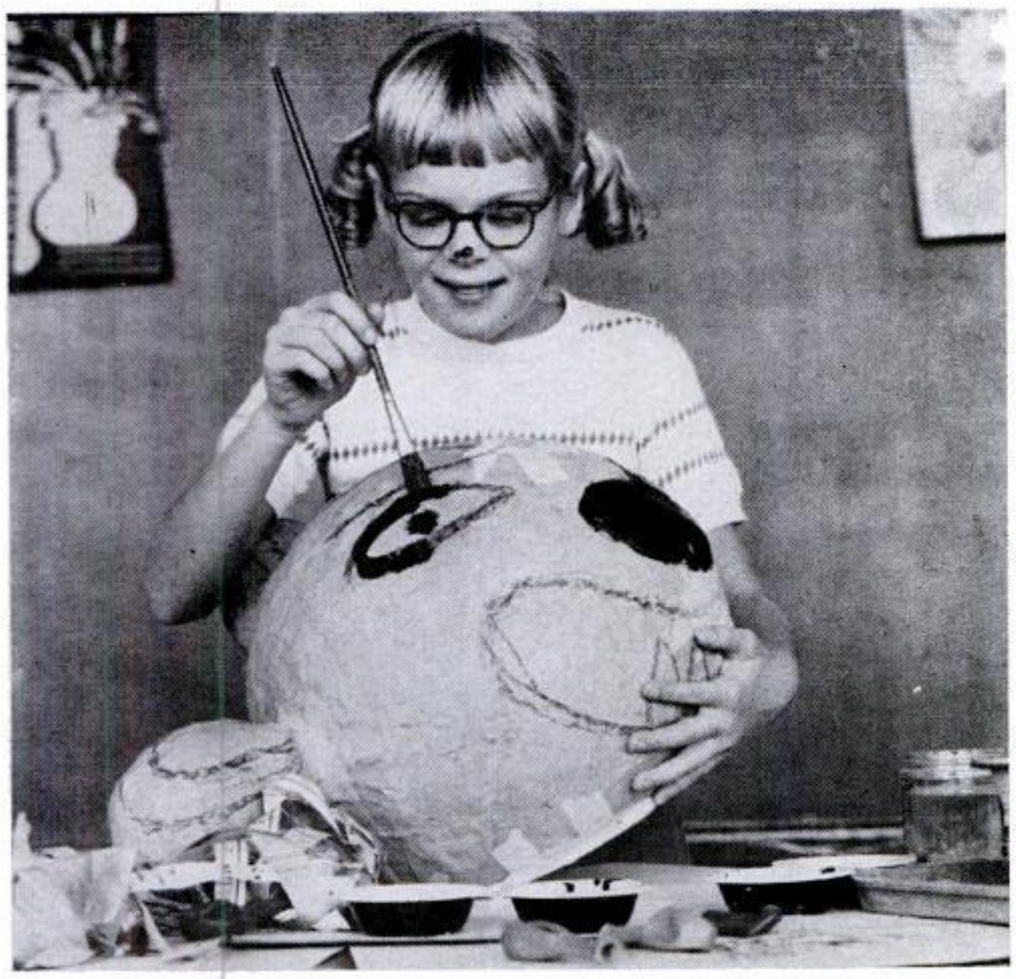
Honest-to-goodness
MILK CHOCOLATE

Creamy
NOUGAT

Toasted whole
ALMONDS



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BEADY EYES begin to take shape as Sandra starts painting her mask after carefully sketching the features she wanted on it. She also painted her nose.



THE HAPPY RESULT, a leering tiger with a heart for a nose, is displayed for the rest of the class. Sandra took less than two hours to make the mask.



More and more these days, talk about beer... is talk about National Bohemian. It's light and mellow... but with a wonderful difference. That difference is satisfying flavor. You'll never know how satisfying a beer can be, until you taste National Bohemian. Oh boy, what a beer!

NATIONAL BOHEMIAN BEER

THE NATIONAL BREWING CO., BALTIMORE, MD., ORLANDO, FLA., THE NATIONAL BREWING CO. OF MICH., DETROIT

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BOBO AND CHAMP, handsome Cocker Spaniels, are both full of life and fun—thanks to Gaines. Can you tell which dog is the grandfather? For the answer, see the opposite page.

For 8" x 10" print of this fine photograph, send name and address plus picture of running dog from front of any Gaines Meal package or bag to Dog, Dept. Y, Box 103, Kankakee, Ill.

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Which dog is the grandfather?

These Gaines-fed Cocker Spaniels are living proof that Homogenized Gaines Meal can help your dog enjoy **A LONGER PRIME OF LIFE!**

Eyes bright, spirits high, energy bounding—what a wonderful difference Gaines can make in your dog, young or old. Gaines is extra rich in real meat flavor – *plus* vitamins, minerals and every other food essential science knows your dog needs. In fact, pound for pound, Gaines actually contains more life-giving protein than any other type of dog food – even more than U. S. Prime Beef!

Uniform nourishment guaranteed!

Because Gaines is *homogenized*, it guarantees uniform nourishment at every feeding! Quite a difference from the flake-and-powder mixtures that separate in the box and cause nourishment to vary from day to day. So, today, start your dog on his way to *a longer prime of life*—with new Homogenized Gaines Meal.

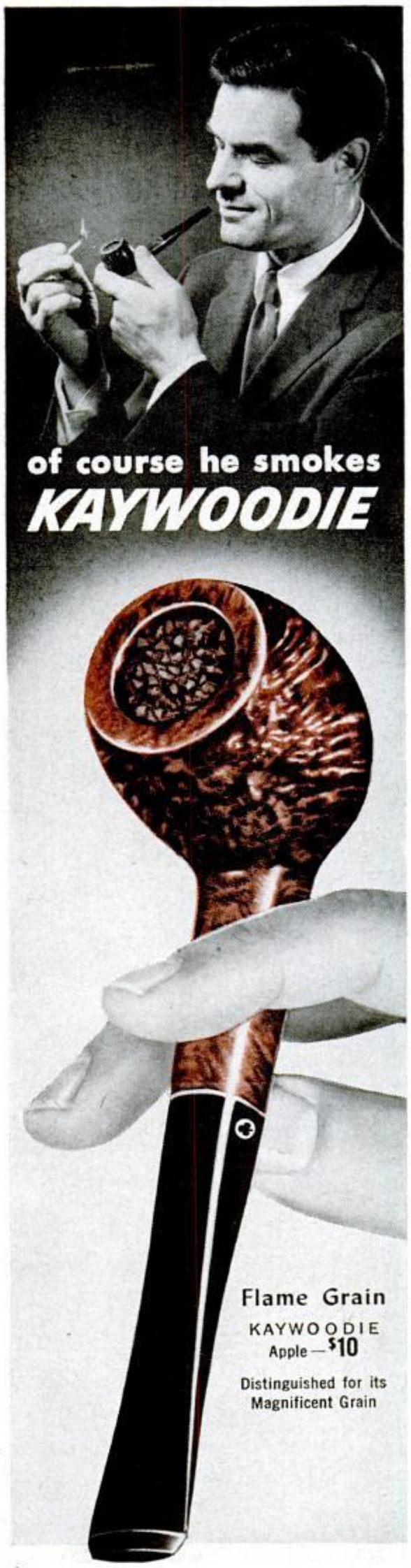
Oh, yes . . . which dog is the grandfather? It's 10-year-old *Bobo* (top). *Bobo* is every bit as keen and lively as *Champ*, his 2-year-old grandson (bottom). Their owners, Mrs. Evelyn Weiss and Miss Shirley Currier of Syosset, New York, feed both *Bobo* and *Champ* Homogenized Gaines Meal for *a longer prime of life.*



nourishes every inch of your dog

A Product of General Foods

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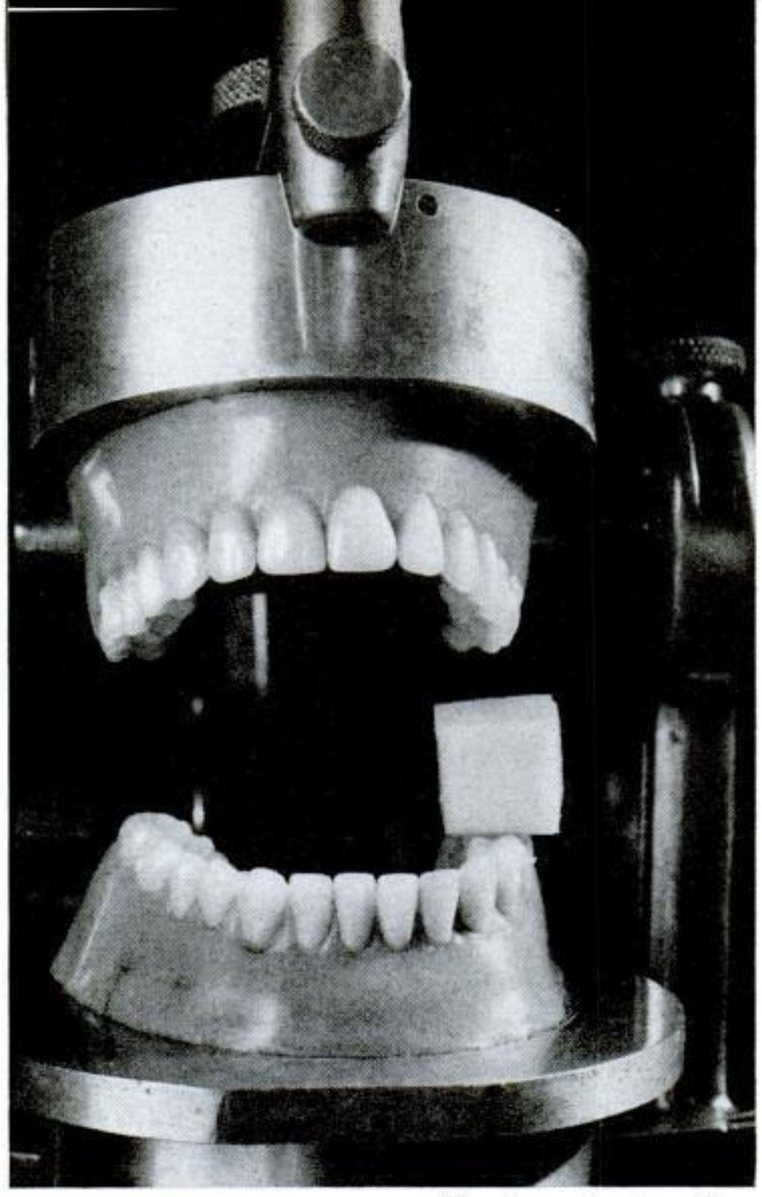


His Kaywoodie is the finest pipe made. Its beauty is rare, indeed, for only the choicest imported briar is worthy of Kaywoodie. The density and close grain assure the world's sweetest, coolest smoke. And Kaywoodie's Drinkless Fitment in the stem completes your enjoyment. This exclusive feature screens irritants, condenses tobacco tars, prevents clogging. That's why your Kaywoodie draws so easily. Treat yourself royally with a Kaywoodie. A regal gift, too.

Send 25 cents for illustrated color Catalog 32 showing Kaywoodie styles. $3.50 to $100; gift sets $7 to $125.



Kaywoodie Pipes, Inc., New York 22
World's Finest Pipes Since 1851



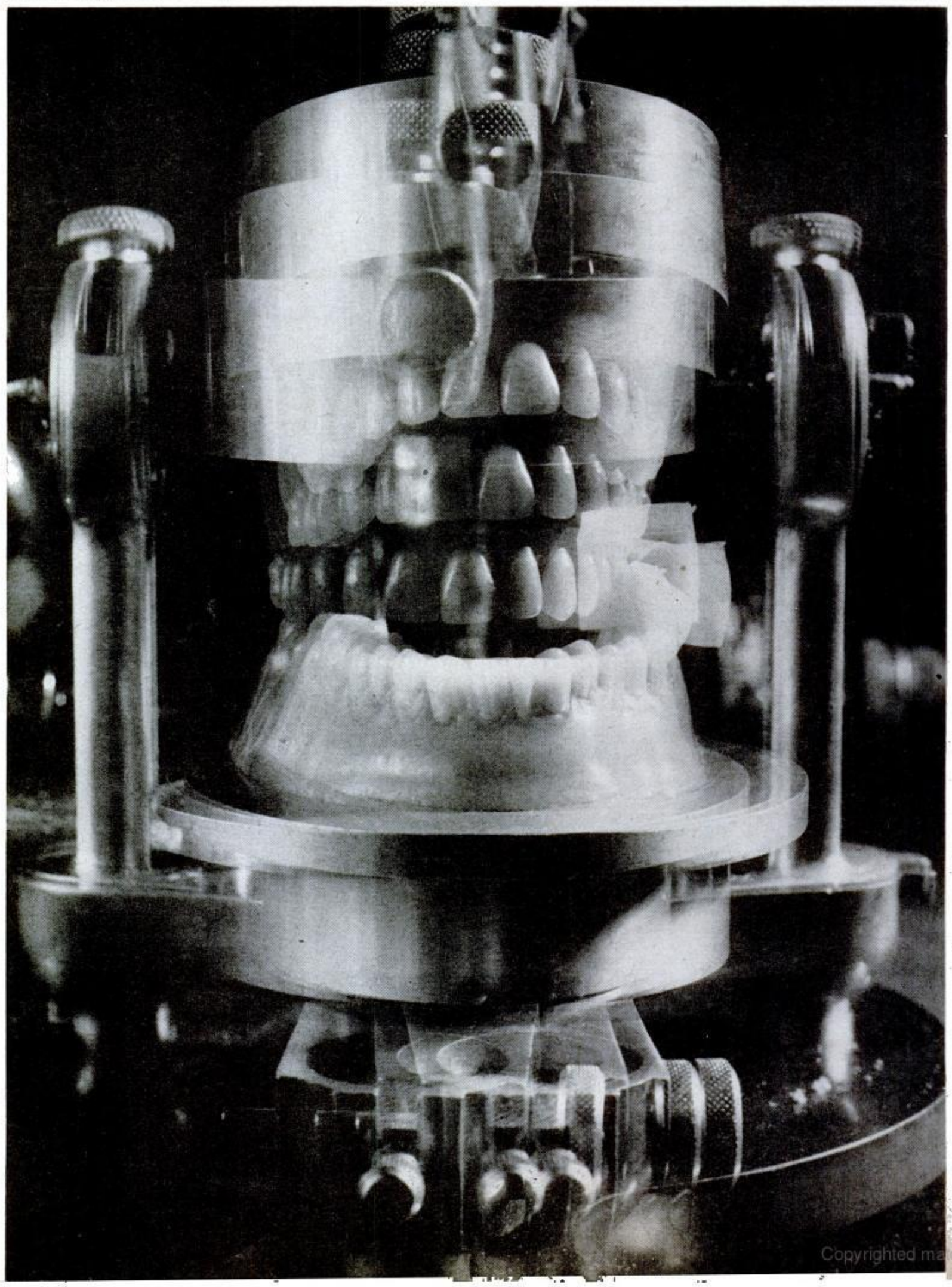
TOOTHSOME TEST on mozzarella cheese begins when a small lump is placed on tenderometer's lower molars.

A MASTICATING MECHANISM

Baring its fangs like a starved wolf, the fearsome-looking robot at left is about to do its job as a precision-testing apparatus. To measure the tenderness, brittleness, elasticity and other physical properties of food products, the Food Technology Department at Massachusetts Institute of Technology built a set of aluminum jaws that approximated the motions of chewing, sideways as well as up and down.

Called a denture tenderometer and fitted with artificial teeth, the robot utilizes an electronic gauge to record stresses that might play hob with inlays on human beings. Chomping on a test morsel (*below*), the tenderometer has already gauged how hard gumdrops and marshmallows get in different kinds of wrappings and proved that cheese gets harder at room temperature than when kept in the refrigerator.

TAKING BITE, MACHINE'S LATERAL GRINDING ACTION SHOWS IN RAPID-SEQUENCE PICTURE AS UPPER JAW DESCENDS



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At last—a LIGHT coconut cream pie

"and a crust guaranteed to come out perfect!"

-says Betty Crocker of General Mills



Now you can bake a *big* pie and a *light* pie! We've put more mix in our pie crust mix in sticks . . . so you have plenty for 9" pies with fancy edges. And our new mix is homogenized and extra-rich in shortening! No guesswork here—*each* stick makes *one* generous crust! And a crust so *easy* to make! Just crumble a stick . . . add a measured amount of liquid . . . mix . . . then roll out. Your crust snuggles right into your pan without tearing. Isn't that good news! Bake a *light* pie...bake a *perfect* pie today, won't you?

LIGHT COCONUT CREAM PIE
(Makes 9-inch single-crust pie)

- 1 package Vanilla Pie Filling
- 1 tablespoon (1 envelope) unflavored gelatin
- 2 cups liquid CARNATION INSTANT (mixed according to package directions)
- 2 teaspoons vanilla
- 2½ cups whipped CARNATION INSTANT (see recipe below)
- 1½ cups shredded coconut
- 1 stick BETTY CROCKER HOMOGENIZED PIE CRUST MIX

Bake 9-inch single-crust pie shell, according to Betty Crocker Homogenized Pie Crust Mix directions. Cool. Mix vanilla pie filling and unflavored gelatin with liquid Carnation Instant in saucepan. Cook over low heat according to pie filling directions. Cool until thickened (about 45 minutes). Beat until light and fluffy. Add vanilla, whipped Carnation Instant and 1 cup shredded coconut. Pour into cooled Betty Crocker Pie shell. Toast remaining coconut in moderate oven (350°F.); sprinkle on pie. Chill pie 2 to 3 hours.

TO WHIP CARNATION INSTANT
(Makes about 2½ cups whipped "Magic Crystals")

1. Mix ½ cup Carnation Instant "Magic Crystals" with ½ cup ice water.
2. Whip until soft peaks form (3 to 4 minutes). Add 2 tablespoons lemon juice.
3. Continue beating until stiff peaks form (3 to 4 minutes longer). Fold in ½ cup sugar.

* PERFECT! Yes, all our Betty Crocker Mixes — Cake, Frosting, Brownie, Date Bar, Pie Crust, Answer Cake — are guaranteed to come out perfect, or send the box top to Betty Crocker, Box 200, Minneapolis, Minn., and General Mills will send your money back!

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How you can enjoy more comfort than your neighbor

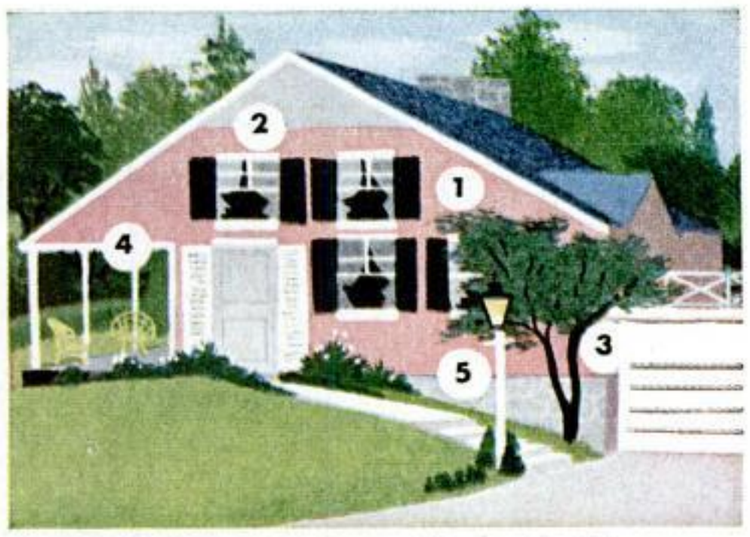
Make a small additional investment in full insulation. With it, the average-size home can now be heated and air conditioned for as little as $10 a month!

These homes *look* alike. But the one on the right has an important feature the other does not—full Fiberglas* Insulation. It makes an amazing difference in heating and air-conditioning costs . . . reduces both the initial cost of equipment and the month-to-month operating expense for furnace and air-conditioning units.

Nationwide tests, now being conducted by

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WHAT FULL INSULATION IS—It means installing more insulation than minimum FHA requirements. This includes insulating (1) exterior side-walls (2) unfinished attics (3) unheated garages (4) floors over unheated spaces (5) edges of concrete slabs and crawl spaces. Full thicknesses everywhere pay for themselves!



HOW MUCH IT CAN SAVE—The FHA minimum requirements are better than no insulation at all. But, in the average home,† you can save up to $5.50 each month on heating and air-conditioning costs . . . mainly by installing additional Fiberglas Insulation. This will vary somewhat, depending on where you live.

†*Average 1200 sq. ft. house in northern zone, one heating and cooling season.*



LOW COST COMFORT—This sign is going up in front of hundreds of test homes. Although millions of home owners already know full Fiberglas Insulation saves money, tests by cooperating builders are proving the average house anywhere can be heated and cooled for only about $10 a month.

. . . at lower cost!

Owens-Corning Fiberglas prove that full Fiberglas Insulation is a *must* for bringing solid comfort within the reach of all. Insist on full insulation in any new home . . . seriously consider adding it to your present home. Write for free folder that tells what full insulation is . . . and how much it can save. Owens-Corning Fiberglas Corp., Dept. 10-J-29, Toledo 1, Ohio.

LOOK FOR THIS LABEL:

OWENS-CORNING
FIBERGLAS
T.M. REG. U.S. PAT. OFF.

• T.M. Reg. U.S. Pat. Off.

It's amazing the difference Fiberglas makes!

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Now! Comstock brings you special apples

Grown just for PIES!

Only Comstock brings you apples from *northern* orchards where the soil and climate produce especially tangy flavor . . . the best cooking apples grown. That's why Comstock Pie-Sliced Apples are sure to bake up firm and full of flavor—don't get mushy or taste flat.

Peeled, cored, sliced to save you bother!

No muss or fuss—and no waste—when you use delicious Comstock Pie-Sliced Apples! They come to you orchard-fresh and crisp, packed in clear, sweet apple juice—all ready for you to sweeten and spice. Save *so much work*—yet actually cost less than ordinary store apples.

Ready to bake into Orchard-Fresh Pies!

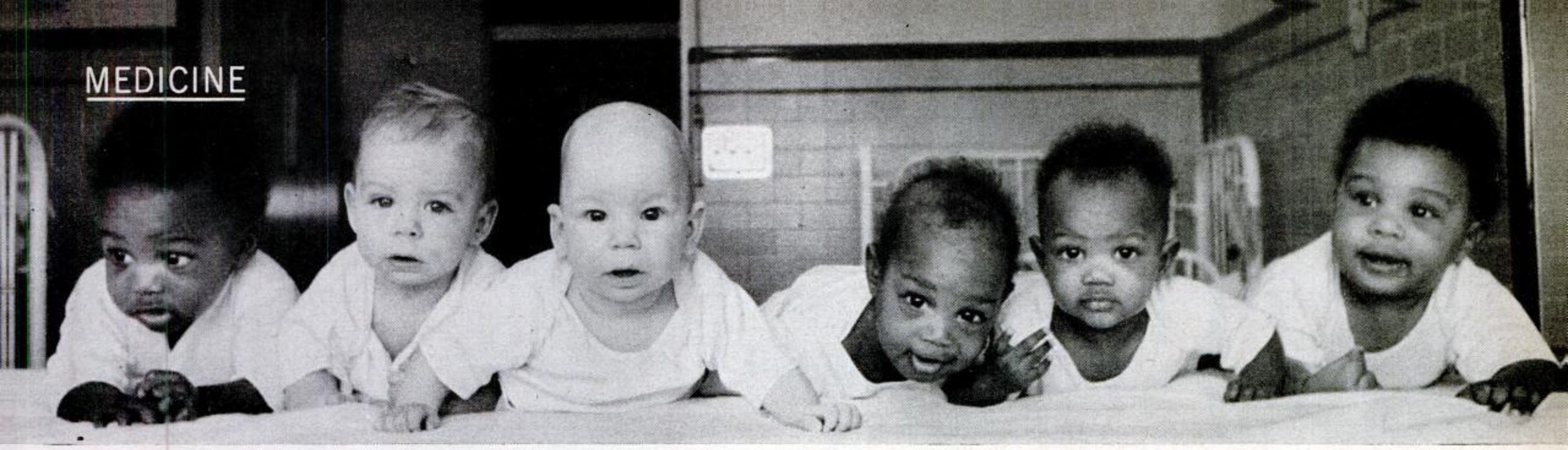
You never baked a pie so luscious, yet did it so easily! Comstock apple pie is the kind men sigh for—juicy, flavorful, mouth-melting! Keep Comstock Pie-Sliced Apples on hand—pick up *several* cans at your grocer's today!



Comstock *the makin' of your bakin'!*

CHERRY • PEACH • BLUEBERRY • PUMPKIN • MINCEMEAT • STRAWBERRY • PINEAPPLE • APRICOT • APPLE—COMPLETE PIE FILLINGS

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SIX BABIES BORN TO REFORMATORY INMATES, AND ALL UNDER 4 MONTHS OF AGE, WERE THE FIRST TO TEST THE LIVE VIRUS POLIO VACCINE AT CLINTON FARMS

PROGRESS ON A BETTER POLIO VACCINE

Living viruses taken by mouth show promise of producing safe, permanent protection against disease

While the Salk vaccine's effectiveness has been shown in a 50% drop in the national polio rate this year, scientists have been working on a different kind of vaccine. They want to perfect a vaccine which contains polio virus that differs from Salk's in being alive instead of dead. If it can be guaranteed safe, a live virus vaccine would have two important advantages. It could be taken by mouth, and its effects should be more lasting.

Ten years ago at American Cyanamid's Lederle Laboratories, Dr. Hilary Koprowski started work on a live virus polio vaccine. This month, after word came out of Cincinnati about another live virus vaccine (*p. 66*), Lederle made public its own progress and showed that it was way ahead. Lederle has been successfully trying out its vaccine on humans for six years, and on the basis of its success has been testing the vaccine on infants at Clinton Farms, New Jersey's reformatory for women. Results indicate that the vaccine protects babies under six months old. This opens up the prospect that a few drops in baby's milk could confer polio immunity from the cradle on.

Many more years of work may lie ahead before live vaccine is ready for mass test. Until then the Salk shots remain the best polio preventive.

LEDERLE'S DR. HILARY KOPROWSKI, WHO DEVELOPED VACCINE, STOOPS OVER CRIB TO FEED DROPS OF VACCINE MIXED IN FORMULA TO A CLINTON FARMS BABY



CONTINUED

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HURRY-HURRY! STILL TIME TO WIN-

$50,000 IN PRIZES!

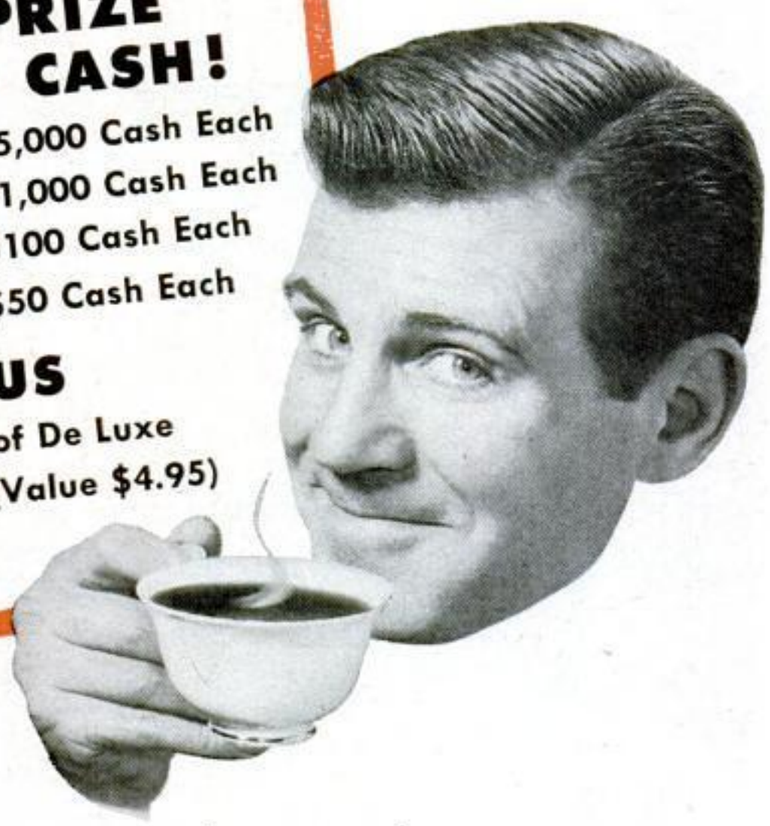
IN NESCAFÉ® LIMERICK CONTEST!

FIRST PRIZE
$20,000 CASH!

2 Second Prizes	$5,000 Cash Each
6 Third Prizes	$1,000 Cash Each
50 Fourth Prizes	$100 Cash Each
100 Fifth Prizes	$50 Cash Each

PLUS

2,000 Prizes of De Luxe Coffee Makers (Value $4.95)



BUT HURRY! Contest Ends November 19, 1956!

SEE RULES AND ENTRY BLANK BELOW!

There's still time to enter this contest as often as you like! Just be sure to enclose the inner seal from any size jar of Nescafé® with each of your entries. And the contest couldn't be easier! Here are some hints that may help *you* write the winning jingle! *First,* Nescafé satisfies your coffee hunger because it's 100% pure coffee . . . made from choice coffee beans. *Second,* Nescafé is truly delicious coffee every cup —rich, mellow, full-bodied, it gives you that warm, good-to-be-alive feeling.

RULES

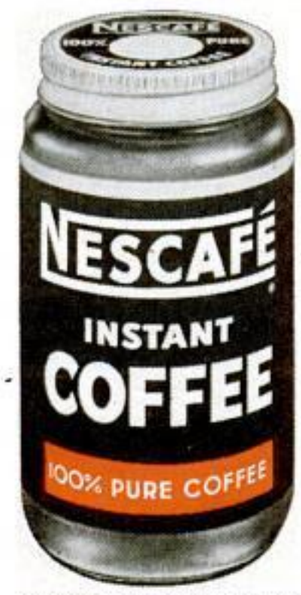
1. On the entry blank below, plainly print your last line for the Nescafé Limerick . . . (to rhyme with today and Nescafé) . . . together with your name and address. If your grocer cannot supply you with entry blanks, you can use plain paper.

2. Send as many entries as you wish. Entries must be original work of contestant submitting them. Each entry must be accompanied by the complete paper inner seal used to seal top of either size jar of Nescafé Instant Coffee. Mail entries to Nescafé "Coffee Hunger" Contest, P. O. Box 258, Mount Vernon 10, New York.

3. Prizes consist of a $20,000 Cash Grand Prize . . . $5,000 Second . . . and 2,156 other cash and merchandise prizes as listed above. Duplicate prizes in case of ties. Only one prize to a family. Income taxes on the prizes must be paid by winners. This contest is subject to federal, state and local regulations.

4. Contest open to all residents of the United States, Alaska, and Hawaii, except employees of The Nestlé Company, Inc., its subsidiary and associated companies, its advertising agencies, and members of their families. Entries must be postmarked not later than midnight, November 19, 1956, and received not later than November 30, 1956.

5. Entries will be judged for originality, sincerity and aptness of thought by the Reuben H. Donnelley Corporation whose decisions will be final. All entries become the property of The Nestlé Company, Inc. Winners will be notified by mail approximately six weeks after close of contest. Send stamped addressed envelope for complete list of winners.



ENTRY BLANK

Mail all entries to: Nescafé "Coffee Hunger" Contest
P. O. Box 258, Mt. Vernon 10, N. Y.

and enclose the paper inner seal from a jar of Nescafé with each entry. Just complete the last line of this jingle:

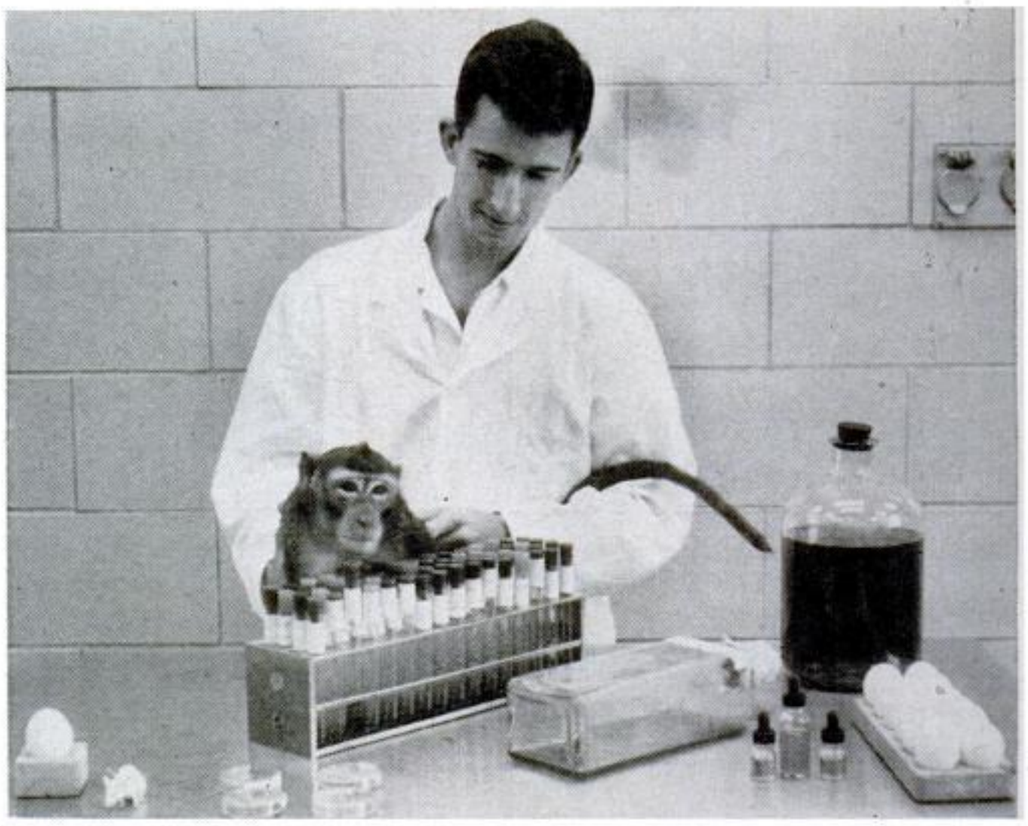
Satisfy coffee hunger today
Buy a jar of this great Nescafé
The people who try it
Continue to buy it

Name.....

Address.....

City.....Zone.....State.....

© 1956 The Nestlé Company, Inc.



VACCINE-MAKING EQUIPMENT includes monkey, mouse, eggs, test tubes containing chicken embryo tissue, bottles, jugs for bulk vaccine production.

STEPS TO MAKE A VIRUS SAFE

Polio viruses vary widely in virulence. But all of them, as they multiply in the body, equally provoke it into producing antibodies which defend it against polio. A live-virus vaccine like Lederle's requires viruses which are harmless to humans, but which still stimulate the production of antibodies. Such a vaccine is made by isolating harmless viruses and by rendering virulent ones harmless.

At Lederle Dr. Koprowski's first step in working with most strains of virus is to obtain the virus—a mixture of both harmless and virulent kinds—from an infected human and inject it into a monkey. After 10 days infected monkey tissue is transplanted to a mouse. There harmless viruses multiply. Meanwhile, as far as scientists can determine, the most virulent viruses start either to die out or diminish in virulence as they adapt themselves to living in mice instead of men. These virus strains are transplanted through as many as 50 generations of mice, then are transplanted into chicken embryos.

After passing through bushels of eggs and racks of tubes the viruses have changed their nature again—this time becoming adjusted to chickens. The resulting batch of virus, which has lost whatever harmful effect it once had on human tissue, is purified and reinjected into monkeys for further tests before being bottled as live polio vaccine.



PURE VIRUS COLONIES mottle nutrient tissue in dish with spots of dead tissue. Viruses in each spot are tested for possible use in live virus vaccine.

CONTINUED

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For the Musical Thrill of Your Life!



Pianissimo **AM-FM-SHORT WAVE with Automatic Phonograph**
A Symphony in elegant, modern design . . . 5 loudspeakers . . . natural Walnut finish

AM-FM ULTRA HIGH FIDELITY
Music Instruments For The Home

Music that Lives... Here, from Europe's largest manufacturer of radios, are the most true-to-life, self-contained high fidelity units available today. With the magnificent Grundig Majestic, every sound from every instrument or voice is at the command of your fingertips – the low moans of an alto saxophone, the rich, mellow tones of a violin, the soaring highs of the flute – all are reproduced with amazing brilliance and clarity.

Best of all, Grundig Majestic Hi-Fi is ready for concert hall performances immediately. No expensive, time-consuming installations, no complicated separate parts, but perfect life-like sound reception from a Continental-crafted furniture piece that will enhance your home with its timeless beauty.

See, Hear the Incomparable Grundig Majestic soon, from $69.95 to $1,495, at Better Stores, Everywhere.

Write Chicago Office for Free Illustrated Brochure and Name of Nearest Dealer

MAJESTIC INTERNATIONAL CORPORATION
743 N. LaSalle Street, Chicago 10, Illinois • 79 Washington Street, Brooklyn 1, New York
Subsidiary of WILCOX-GAY CORP., Mfrs. of RECORDIO Magnetic Tape Recorders



Starlet
AM-FM The ideal second set.
Choice of Mahogany,
Pastel Green, Ivory.



Riviera
AM-FM-SHORT WAVE
4 loudspeakers. In light
Walnut cabinet only.



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AM-FM-SHORT WAVE
with Automatic Phonograph
4 loudspeakers. Choice of light
or dark Walnut cabinet.



Continental
AM-FM-SHORT WAVE
with Automatic Phonograph
and Tape Recorder.
6 loudspeakers. Mahogany or
light Walnut cabinet.



Renaissance
AM-FM-SHORT WAVE
with Automatic Phonograph
and Tape Recorder.
6 loudspeakers. Cabinet in
luxurious Pumice finish.

"Mystic Maestro"
A Grundig Majestic Exclusive!



Converts any room into a concert hall by transmitting middle and high frequencies throughout the room in equal values. The tones completely envelop you, as perfectly true and clear as if the orchestra and conductor were right there with you. Truly, the ultimate fulfillment in 3D Stereophonic Sound!

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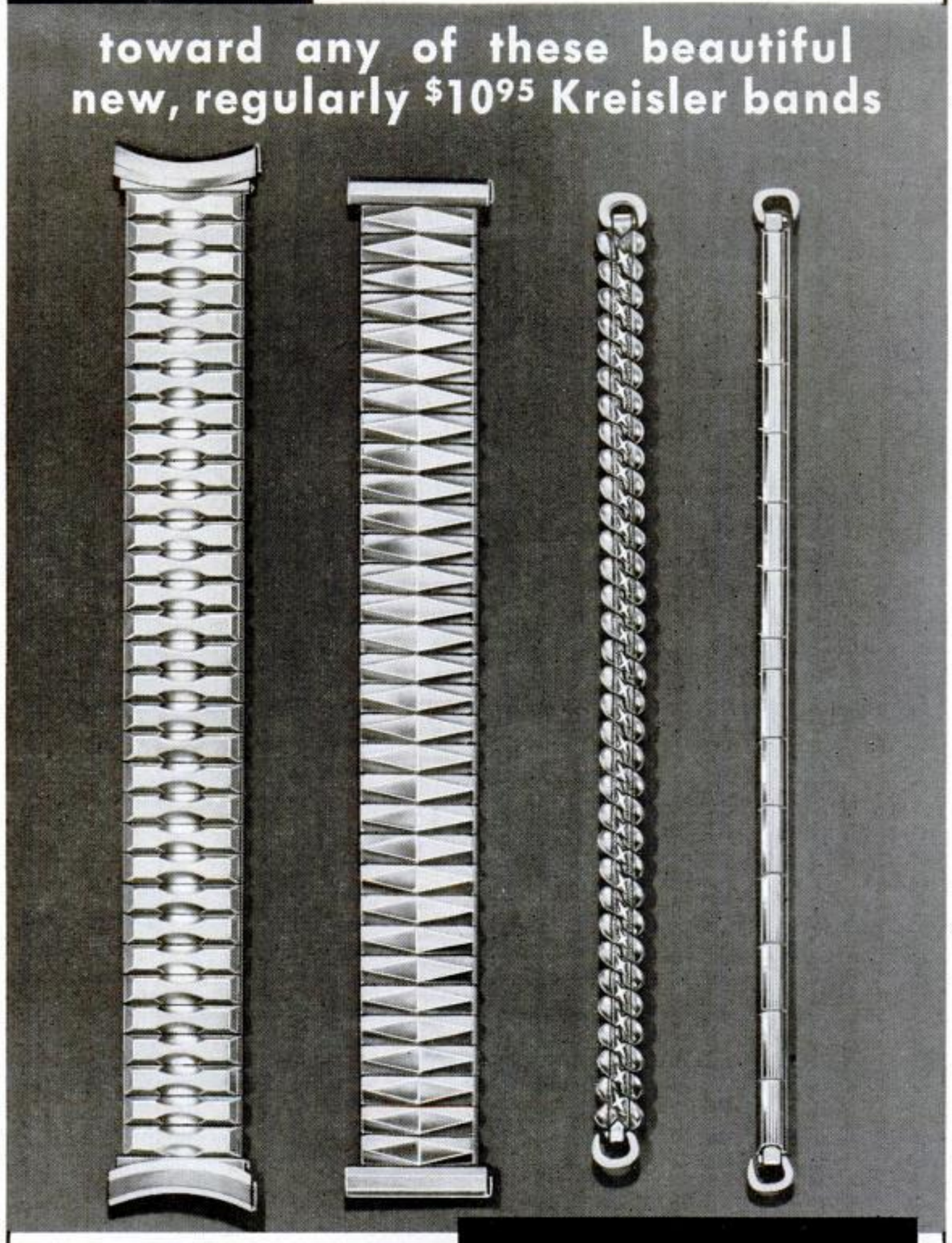
YOUR OLD WATCHBAND

(regardless of age, make or condition)

IS WORTH

$5.00

toward any of these beautiful new, regularly $10.95 Kreisler bands



Make no mistake – this is a remarkable trade-in offer. Whether your band is worn or broken–your jeweler will give you $5 for it toward any of these beautiful, regularly $10.95 watchbands. Every leading watch company links its brand to a Kreisler band. Certainly these companies are the experts on watchband quality. That is why, in all candor, we believe that once you wear a Kreisler, you will never willingly settle for less. This offer is limited in time. So, go to your jeweler now and let him transform your watch with a new Kreisler band.

GET-ACQUAINTED

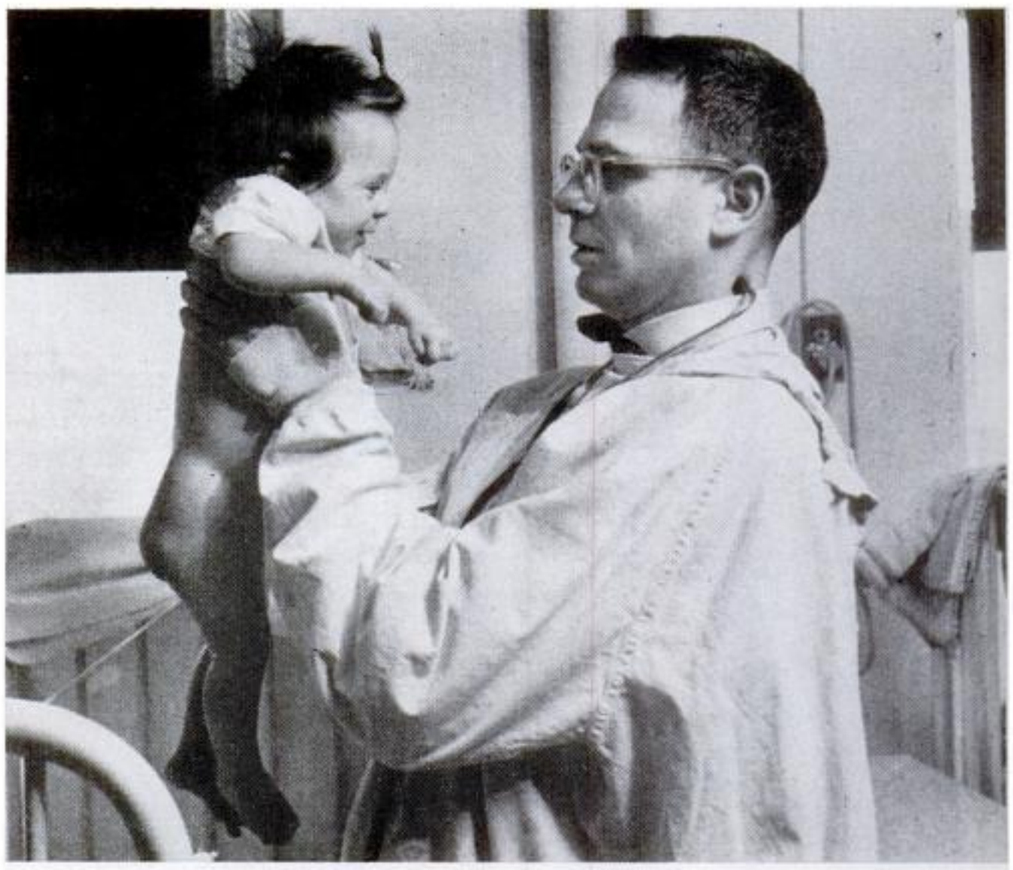
TRADE-IN OFFER

(for a limited period)

THE NEW KREISLER WATCHBAND(reg.)	$10.95
YOUR OLD WATCH-BAND IN TRADE	5.00
YOU PAY ONLY	$ 5.95

Kreisler

CLOSE WATCH ON THE TESTED



INFANT CHECK-UP at Clinton Farms is made by pediatrician, Dr. Andrew Hunt Jr., who tests infants during vaccine trial for any symptoms of polio.



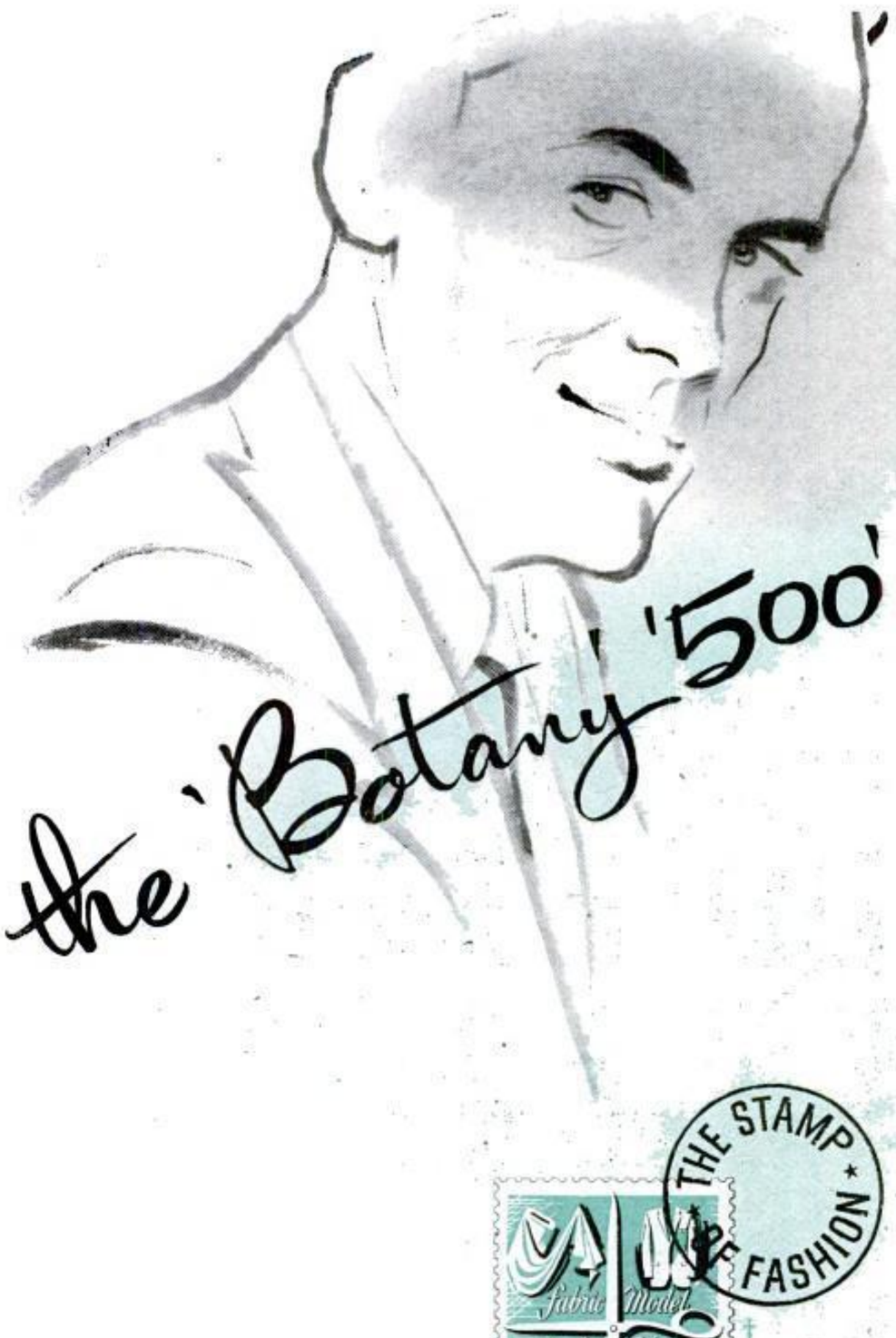
COLLECTING EVIDENCE, a messenger picks up babies' blood and stool samples at Clinton Farms from Nurse Ruth Lorenzo who supervises Clinton test nursery. Samples will be tested for antibodies and virus. Sterile precautions require that everyone entering nursery doff shoes, don special slippers.



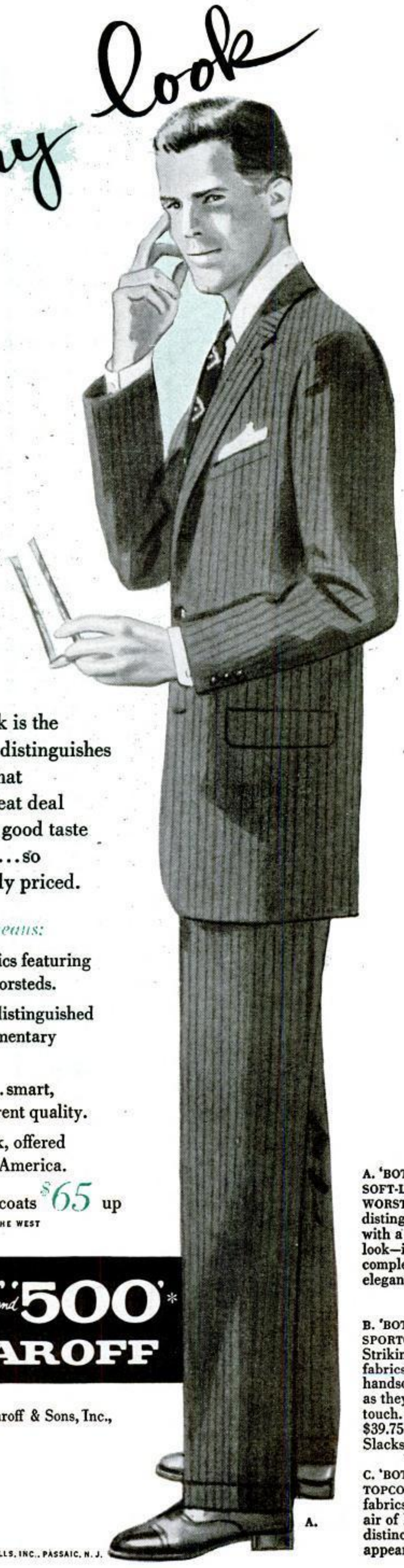
MOTHER'S LOVE brings a prison inmate on a visit to her child. Mothers permitted the tests and were allowed to visit children throughout the test.

CONTINUED

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the 'Botany' '500' luxury look



THE STAMP OF FASHION

Fabric Model Fit Value

The 'BOTANY' '500' luxury look is the look of inherent quality that distinguishes the well-groomed man. This look, that every man aspires to, does not require a great deal of money. It simply requires the good taste of 'BOTANY' '500' clothing . . . so magnificently tailored, so reasonably priced.

†The Stamp of Fashion means:

FABRIC—specially selected, exclusive fabrics featuring luxurious 100% 2-ply worsteds.

FIT—skilled DAROFF tailoring creates distinguished fit that is as handsome and complimentary as it is comfortable.

MODEL—lines that are new and flattering . . . smart, modern, with the look of inherent quality.

VALUE—all this adds up to the Luxury Look, offered to you as the greatest clothing value in America.

Suits or Topcoats $65 up

PRICES SLIGHTLY HIGHER IN THE WEST



B.

C.

'BOTANY' brand '500'* tailored by DAROFF

At your 'BOTANY' '500' dealer, or write—H. Daroff & Sons, Inc., 200 Fifth Avenue, New York 10, N. Y.

A. 'BOTANY' '500' SOFT-LIGHT WORSTEDS. Unusually distinguished worsteds with a rich, mellow look—including a complete range with elegant silk accents. $65 up

B. 'BOTANY' '500' SPORTCOATS. Strikingly luxurious fabrics that are as handsome to the eye as they are to the touch. Sport Coat $39.75 up. Also Slacks $16.95 up.

C. 'BOTANY' '500' TOPCOATS. Special fabrics that lend an air of luxury and distinction to your appearance. $65 up.

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Claims advice is communicated to all.



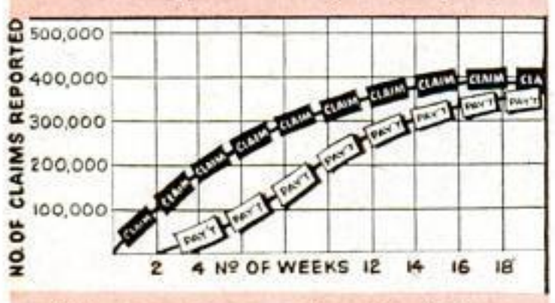
Emergency claims offices are thrown open.



Adjusters move in from far and near.



Local agents work night and day.



Claims mount—payments quickly follow.



Insurance helps to build anew.

Help that counts . . . when disaster strikes!

When windstorms, explosions or conflagrations cause widespread destruction, the carefully worked out CATASTROPHE PLAN of capital stock insurance companies is operating in a matter of hours.

Urgently needed information and comforting advice on what to do about claims are communicated by radio and newspapers to dazed and troubled people.

Claims offices manned by experienced insurance men are hurriedly opened in the stricken areas.

Trained adjusters from near and far move in to speed recovery.

Local agents work night and day processing claims.

Settlement checks start leaving major companies promptly — increasing in numbers daily to match mounting claims.

Thus through planning and foresight the capital stock insurance companies and their agents go into action immediately in the wake of destruction—to bring peace of mind and the ability to build anew.



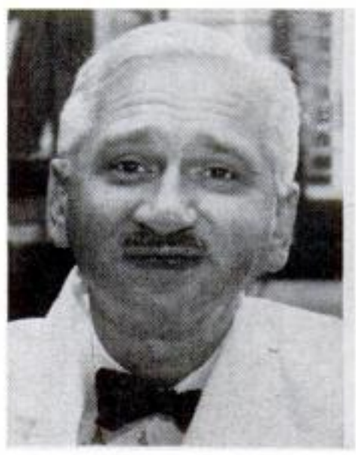
For the name of a nearby America Fore Agent call Western Union by number and ask for Operator 25.

America Fore
INSURANCE GROUP

★ The Continental Insurance Company
★ Fidelity-Phenix Fire Insurance Company
★ Niagara Fire Insurance Company
★ The Fidelity and Casualty Company of New York

CONFUSION OVER ONE PRODUCT, STEADY WORK ON ANOTHER

The recent flurry of excitement about the new polio vaccine started when Dr. Albert Sabin of the University of Cincinnati College of Medicine announced that he had developed his own brand of vaccine and that he was now "ready to give the new vaccine to large groups of humans in the U.S. and other nations." Dr. Sabin later insisted that he had been misquoted in seeming to claim that he was far enough along in his research to launch a massive Salk-sized field test. Sabin, who had involved himself in a medical controversy last year by opposing the manufacture of the Salk vaccine, has not tested his new vaccine so far on any human beings. Three years ago he developed a live virus vaccine, which he tested on 133 people. But he scrapped further tests after deciding that the viruses in his vaccine were not uniform enough. He expects to have two million oral doses of his newly purified live vaccine on hand by the beginning of next year, and will start testing it on a small number of volunteers in 1957 at the Federal prison at Chillicothe, Ohio.

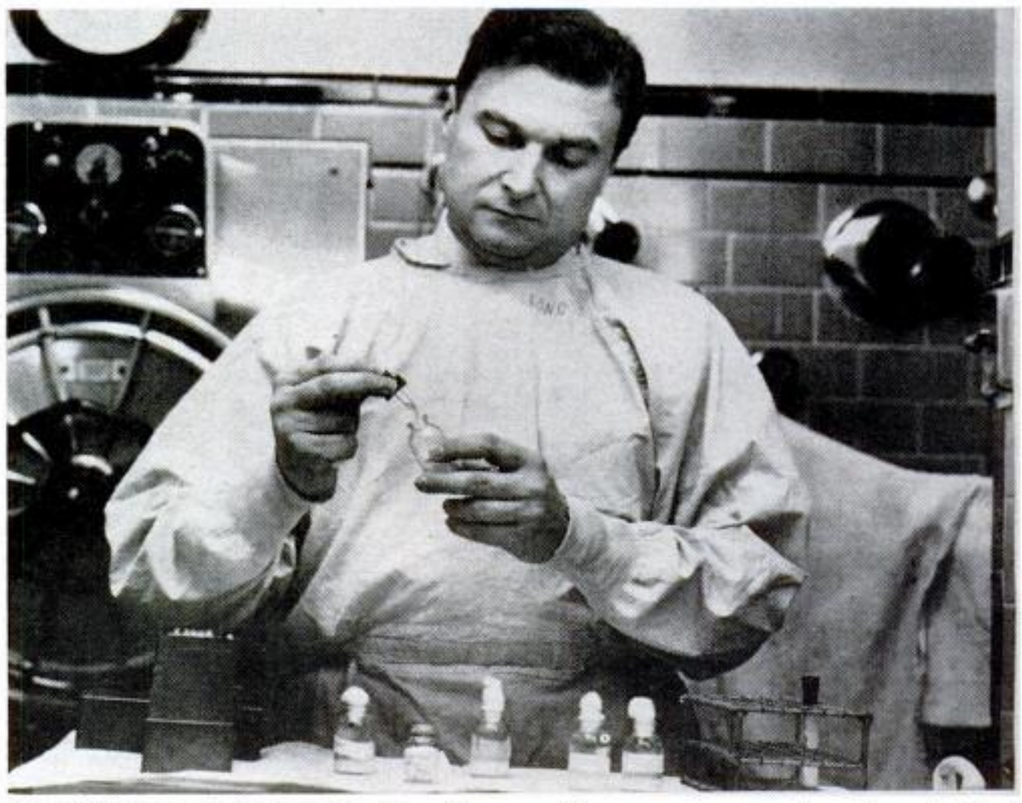


STORMY FIGURE in vaccine field is Dr. Sabin.

At Lederle Dr. Koprowski has stuck to the same basic live virus vaccine for six years and during that time has tested more than 600 people with it. In every case the vaccine proved its efficiency by producing enough antibodies in the blood for immunity. It has done the same for the 27 babies who are involved in the current tests at Clinton Farms. The man who actually heads up the experiment there is Dr. Joseph Stokes Jr., the well-known pediatrician of Philadelphia's Children's Hospital. Dr. Stokes has long advocated the idea of using live viruses to immunize children permanently against different virus diseases while they are still very young. Until they are about 6 months old babies are temporarily immune to most virus diseases through antibodies which they inherit from their mothers. This period of temporary immunity, Dr. Stokes reasons, is the safest time to expose a child to live viruses and produce a permanent immunity. Stokes established his point by showing that children could be immunized against mumps and hepatitis by inoculating them with live viruses. Now he thinks the same thing can be accomplished with polio. For an eventual large-scale field test of live vaccine, infants under 6 months would be ideal because of their built-in immunity.



BABY TESTER is Dr. J. Stokes Jr. of Philadelphia.



VACCINE'S DEVELOPER, Dr. Koprowski, measures vaccine into babies' bottles. He is trying to find out smallest dosage which will still immunize.

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FREE PIE!



Pick Your Favorite FAMILY-SIZE

Morton

"Old Kentucky Recipe"
FRUIT or DESSERT PIE

"Old Kentucky Recipe" in Morton Big Family-Size Pies means the full flavor and flakiness of Kentucky home-baking . . . frozen at the peak of freshness.

NO DEFROSTING . . . JUST BAKE AND SERVE



Real *pie*-apples swimming in their own sweet spicy juices under a tender flaky crust.



Old-fashioned Cherry Pie rich with ripe red cherries—tangy and delicious as homemade.



Just orchard-fresh Alberta Peaches, sweet and wholesome—no commercial filler.



Juicy sun-ripened blueberries, fresh frozen at the peak of their round firm goodness.



You can almost see the jack-o'-lantern in this Pumpkin Pie with a year-round holiday flavor.



Tender tropical coconut from top to bottom combined with melt-in-your-mouth custard.

IMAGINE IT—*FREE PIE!!*

You may never get a chance like this again!

Think of it! Morton is offering you a big family-size pie FREE! Never before has anybody made a generous offer like this! But Morton is doing it because we want everybody who loves "home-baked" pies to find out how lip-smacking good Morton "Old Kentucky Recipe" Pies really are. Your grocer has them now in his freezer. But you better hurry. Get yours today.

Morton Frozen Foods, Inc.
Louisville, Kentucky

How To Get FREE MORTON PIE

1. Buy any two (2) Morton Family-Size Pies—choose any combination of Fruit or Dessert Pies in the flavors you like best.
2. Tear off the MORTON labels from the front of the 2 packages you purchase.
3. Before December 31, 1956, mail labels with your name and address, name and address of the store where purchased, and amount paid for each Family-Size MORTON Fruit or Dessert Pie to: MORTON Frozen Foods, Inc., Box C, Station R, Louisville, Ky.

We'll Refund The Price of 1 Morton Pie

ACT NOW! OFFER ENDS SOON!

MORTON Frozen Foods, Inc.
Box C, Station R, Louisville, Ky.

Gentlemen: Enclosed are labels from 2 Family-Size MORTON Fruit or Dessert Pies. I paid _____¢ for one Family-Size MORTON Pie, _____¢ for the other. Please send my refund to:

NAME _____

ADDRESS _____

CITY _____ ZONE ____ STATE _____

STORE NAME _____

ADDRESS _____

Void wherever taxed, prohibited or otherwise restricted. Limit: 1 refund per family. OFFER EXPIRES December 31, 1956.

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It's "Special Delivery" right down the line—when they're

Post-marked for Happy

You'll find plenty of volunteers for the Breakfast Brigade when there's a Post favorite for everyone—whether you go for corn, or wheat, or bran or rice. Stock up with Post Cereals today—and remember, only the best-tasting cereals in the whole wide world are Post-marked . . . for Happy Eating!

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BATTLE CREEK

Post

MICH.

Eating!

Post

The Breakfast Foods of General Foods

LOOK FOR THE POST MARK...
FOR HAPPY EATING!



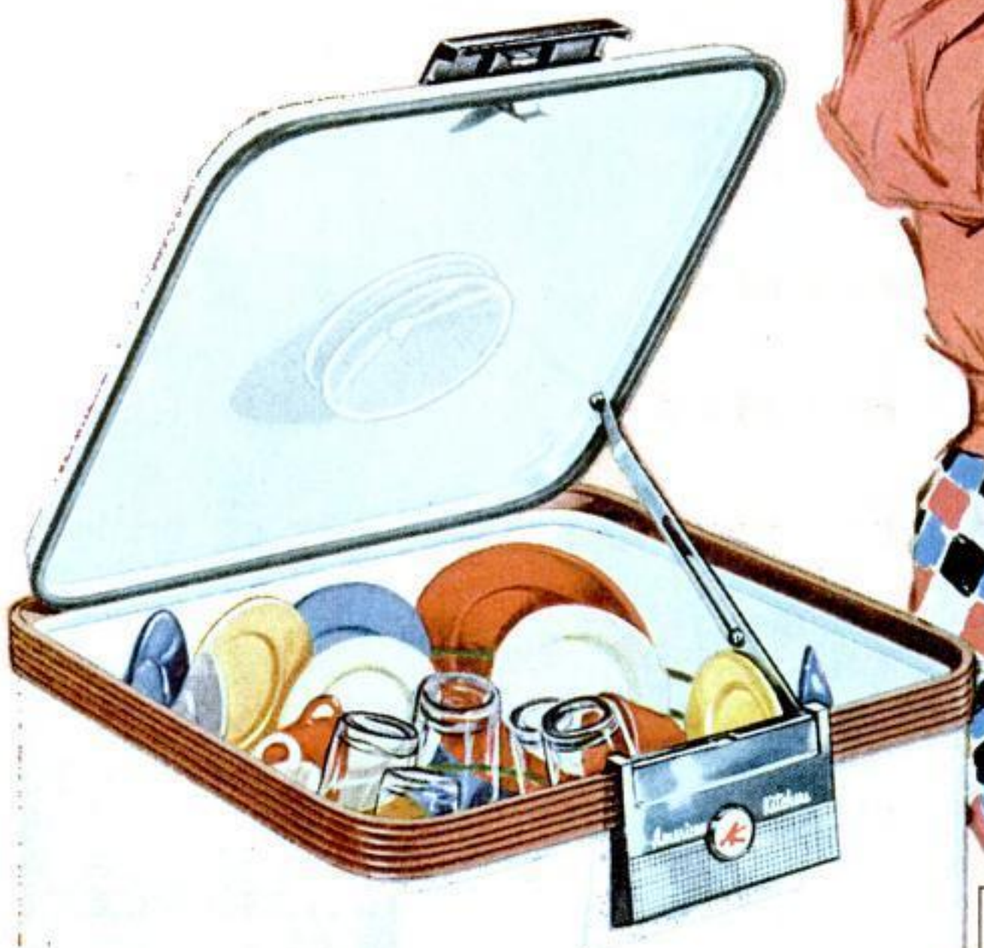
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IT'S NOT A LUXURY... **IT'S A MODERN NECESSITY!**

saves you more work *saves you more time*

than any other appliance you own!





New

Roll-o-matic Dishwasher-Dryer

so easy to own—only pennies a day!

IT'S PORTABLE—JUST PLUG IT IN
NO INSTALLATION—YOU CAN TAKE IT WITH YOU!

A full-size dishwasher that rolls smoothly, connects to your sink in a wink, then automatically gets a whole day's dishes done at one time? Absolutely! Today, women everywhere agree this new portable dishwasher-dryer is a household necessity. In fact—it saves you more time and effort than any other appliance you own!

It stows away and delivers the daily dishes for a family of four, cleansed, rinsed and dried to spotless perfection! Yes, pre-rinses, washes, triple-rinses, dries by circulating super-heated air, and stores dishes away in two king-size trays until ready to be used again.

Smart and compact, this modern dishwashing miracle tucks away under your countertop or rests quietly in a corner on silent ball-bearing casters. Yet it's completely portable. No plumbing. You *can* take it with you if you move!

Whether you choose gleaming coppertone or snowy white, the price of dishwashing freedom is much less than you think. Below $200 in most localities.



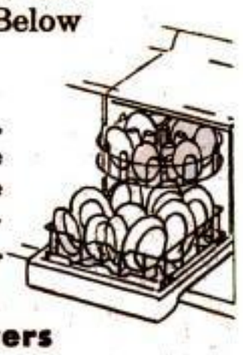
ONLY AMERICAN KITCHENS HAS EXCLUSIVE "ADD-A-DISH" FEATURE

Now you can actually add the dish you've overlooked without resetting, without loss of hot water or detergent. That's the nice thing about "Add-A-Dish"—and it's exclusive with American Kitchens!



FREE 5 DAY HOME TRIAL. A New Roll-o-matic is as near to you as your telephone. For your free home trial, call WESTERN UNION by number and ask for OPERATOR 25.

ROTO-TRAY DISHWASHER-DRYER. Permanent installation, with exclusive Roto-Tray Action that scrubs dishes three ways cleaner than by hand! Under-counter and dishwasher-sink models.



American Kitchens

DIVISION AVCO CONNERSVILLE, INDIANA

Roll-o-matic Dishwasher-Dryers • Roto-Tray Dishwasher-Dryers
Kitchen Cabinets • Food Waste Disposers • Built-in Ranges and Ovens

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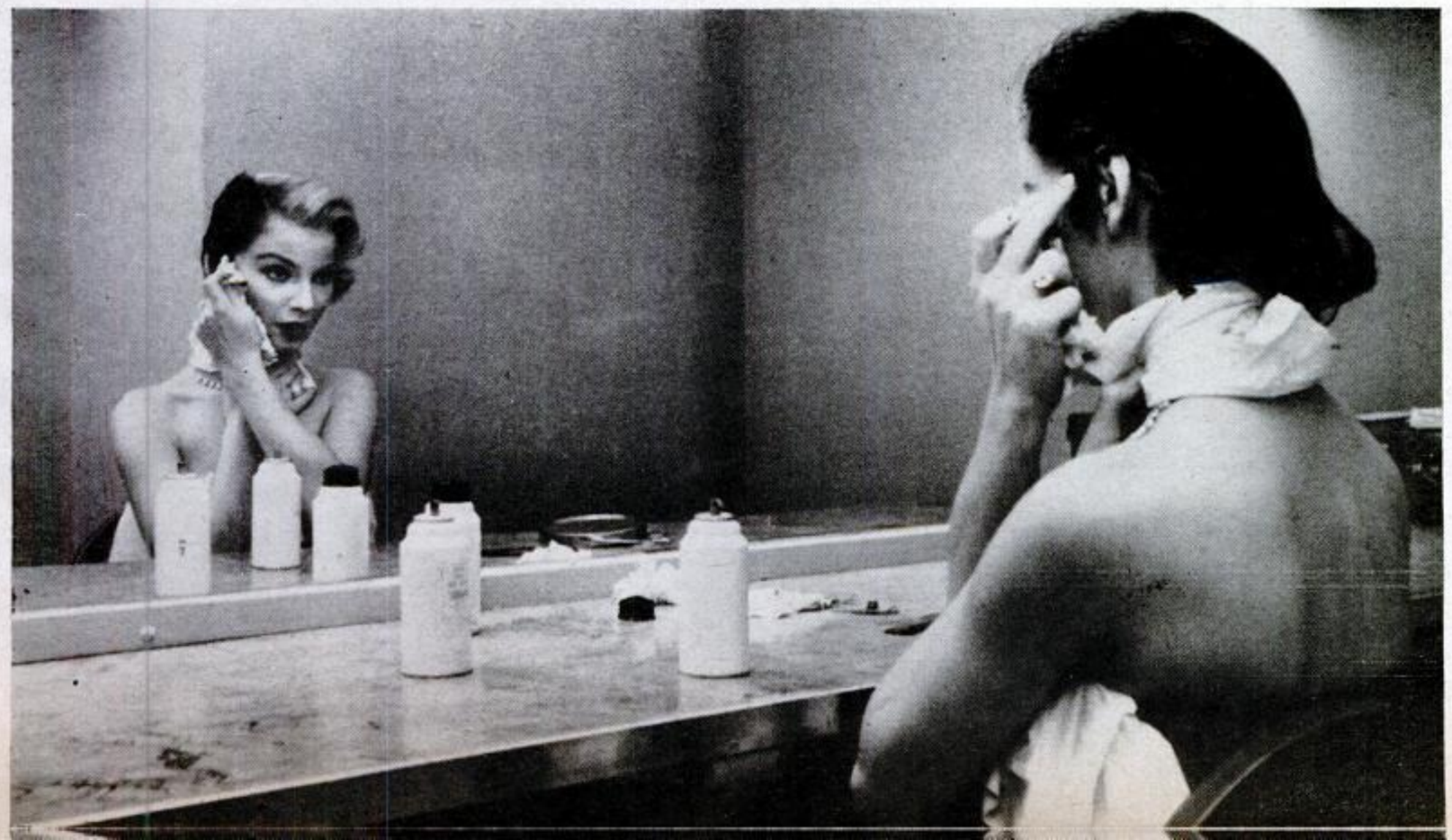


BEFORE FACING THE CAMERAS ON GLEASON'S SHOW, MISS ROGERS CHECKS HER BLOND VERSION IN A MIRROR

A DOUBLE IN SHADES

It is beginning to look as though the nation's girl supply may never catch up with TV's demand for pretty ones. The shortage has already driven pretty Lorraine Rogers into a case of double identity. She is a sleek blonde on CBS and ABC shows, but on NBC she becomes an equally sleek brunette. After ending her busy Saturday night for the first two networks, she sprays her normally blond hair brown for the third. Then, her brunette's night work done, she washes back to blond and starts over. Both versions of Miss Rogers pay off. After a recent show on ABC as an unbilled blonde, she was invited by committeeman Bernard Singer to be a Fairleigh Dickinson College group's dance queen. When she failed to reply, the committee looked for another girl and this time invited a brunette—as it happened, Miss Rogers again.

WITH HER HAIR HALF BLOND, AND ABOUT TO BE ALL BRUNET, MISS ROGERS PAUSES DURING SPRAY OPERATION





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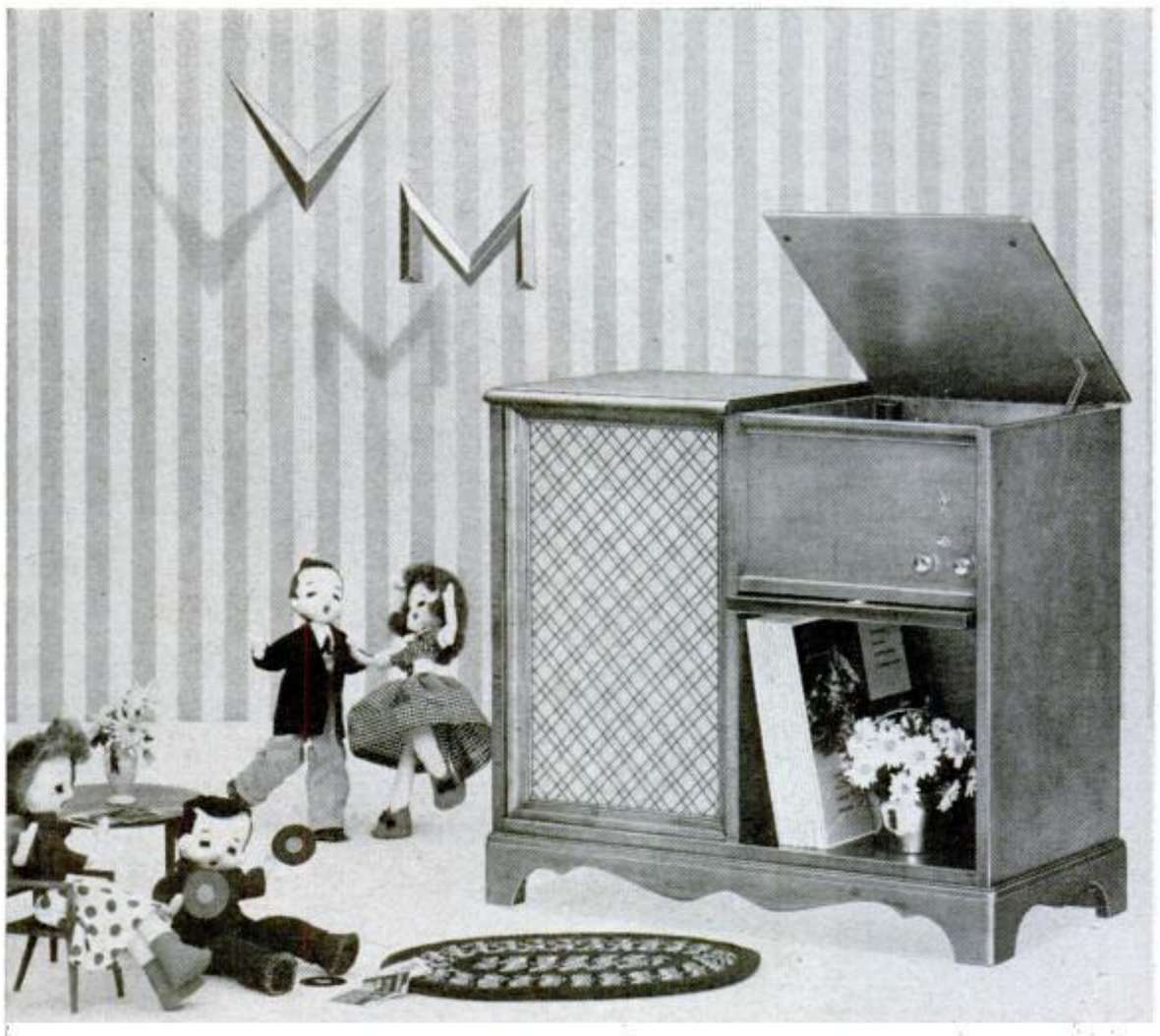
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AS ANNOUNCER at start of CBS's *Jackie Gleason Show*, blond Lorraine Rogers is on camera for five seconds and speaks one line naming show's stars.



AS TIMEKEEPER on the weekly ABC's *Masquerade Party* an hour later, Miss Rogers keeps her hair at same shade but makes a fast change of clothes.



AS HOSTESS on NBC's *The Big Surprise*, Miss Rogers is a brunette. Here she had just brought in contestant Captain Andrew Jackson Navard (*in box*).

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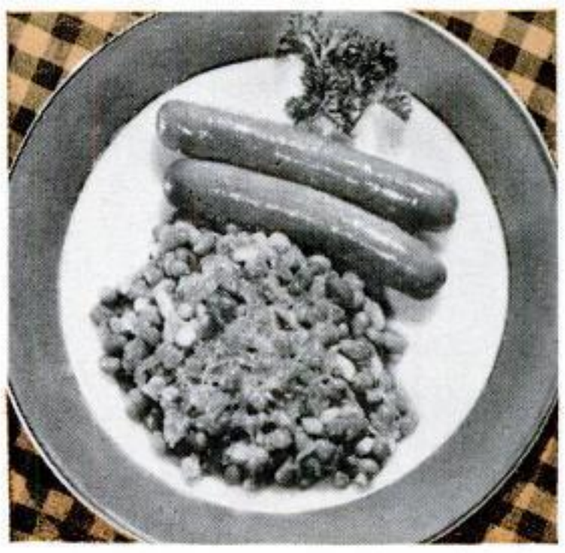
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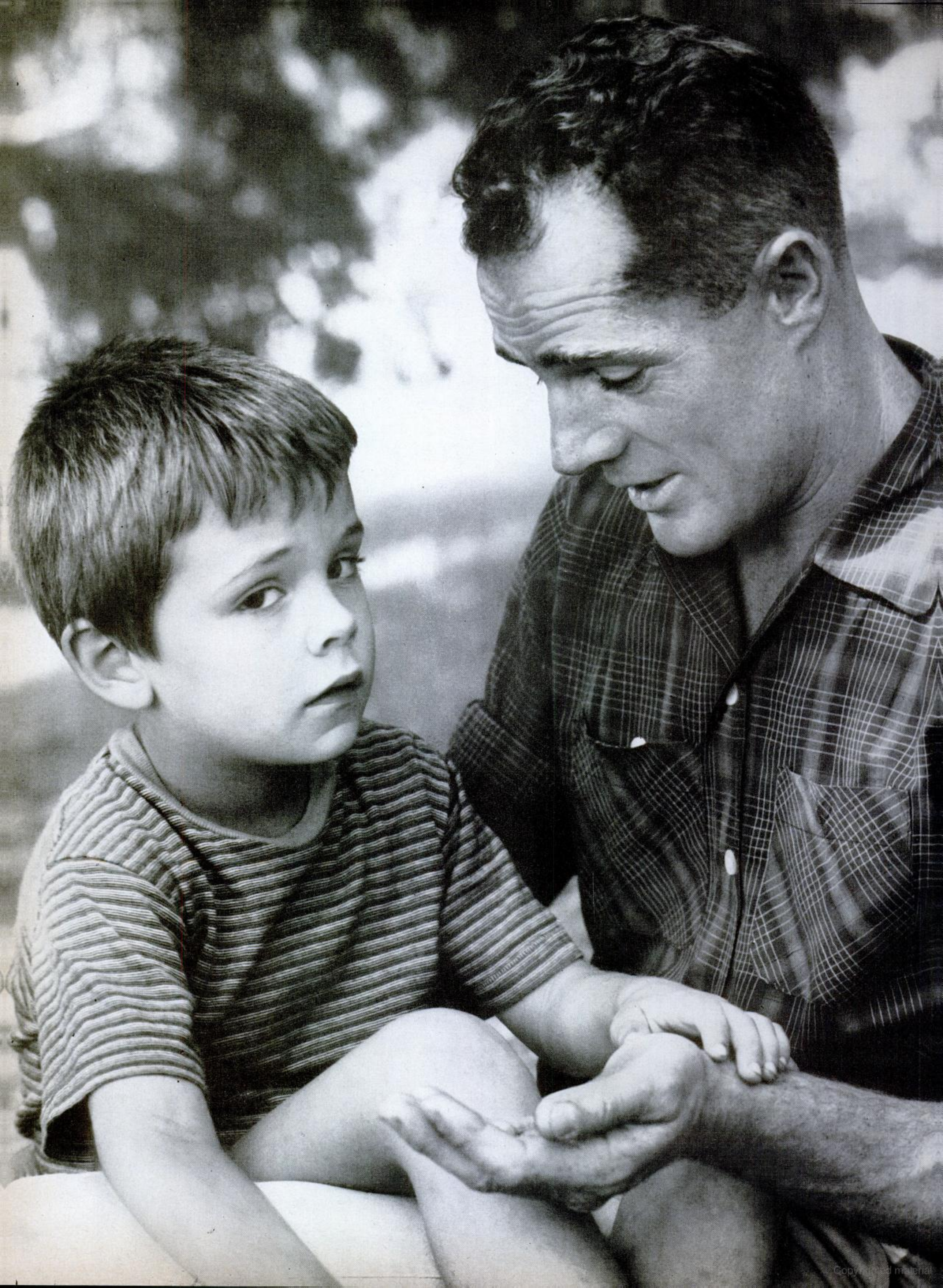
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A History of the English-Speaking Peoples

VOLUME II

THE NEW WORLD

by SIR WINSTON CHURCHILL

WESTERN EUROPE WAS CHANGED forever by events of the late 15th and 16th centuries. This was the Age of Religious Revolution, the Age of the National State and, above all, the Age of Discovery, in which a New World was found across the seas.

This, for England, was the time of the Tudors—from 1485, when Henry VII won the crown in battle, until Elizabeth died in 1603. The men and women who sat upon England's throne during these 118 years were a strong and striking breed. They were also astoundingly lucky. Clutching a royal heritage precariously won in battle, living sometimes in fear of swift assassination, dreading domestic rebellion and foreign onslaught, they survived, monarchs without an army, without a police force, often desperately in need of money. And before the end of their remarkable rule, their island, so lately racked by civil strife and religious bitterness, would rise with stunning audacity to defy and defeat the mightiest empire of the world, the Spain of Philip II.

For all instalments of this series, transitional paragraphs have been prepared to serve as bridges between passages of the *History*. These transitions are indented from Sir Winston's text, which now begins:

FOR the first time, in the course of the fifteenth century, men began to refer to the preceding millennium as the Middle Ages. Though much that was medieval survived in their minds, men felt they were living on the brink of a new and modern age.

The urge to inquire, to debate and seek new explanations spread from the field of classical learning into that of religious studies. Greek and even Hebrew texts, as well as Latin, were scrutinized afresh. Inevitably this led to the questioning of accepted religious beliefs. The Renaissance bred the Reformation. In 1517 at the age of 34, Martin Luther, a German priest, denounced the sale of Indulgences, nailed his theses on this and other matters on the door of Wittenberg Castle church and embarked on his venturesome intellectual foray with the Pope. What began as a protest against Church practices soon became a challenge to Church doctrine. In this struggle Luther displayed qualities of determination and conviction at the peril of the stake which won him his name and fame. He started or gave an impulse to a movement which within a decade swamped the Continent and proudly bears the general title of the Reformation.



LUTHER set in motion the religious convulsions which spread to England.

The division between the assailants and defenders of the old order threatened the stability of every state in modern Europe and wrecked the unity of some. England and France came out of the struggle scarred and shaken but in themselves united. A new barrier was created between Ireland and England, a new bond of unity forged between England and Scotland. The Holy Roman Empire of the German people dissolved into a dust of principalities and cities; the Netherlands split into what we now know as Holland and Belgium. Dynasties were threatened, old loyalties forsworn. Not for another hundred years would exhaustion and resignation put an end to the revolution that began with Luther.

While the forces of Renaissance and Reformation were gathering strength in Europe, the world beyond was yielding its secrets to European explorers, traders and missionaries. From the days of the ancient Greeks some men had known in theory that the world was round and global. Now in the sixteenth century navigations were to prove it so.

Italian geographers and navigators had for some time been trying to find a new sea route to the Orient which would be unhampered by the infidel, but although they had much experience of shipbuilding and navigation from the busy traffic of the Eastern Mediterranean, they lacked the capital resources for the hazard of oceanic exploration. Portugal was the first to discover a new path. All through the later fifteenth century, Portuguese mariners had been pushing down the west coast of Africa, seeking for gold and slaves, slowly extending the bounds of the known world, till, in 1487, Bartholomew Diaz rounded the great promontory that marked the end of the African continent. He called it "the Cape of Storms," but the King of Portugal with true insight renamed it "the Cape of Good Hope." The hope was justified; in 1498 Vasco da Gama dropped anchor in the harbor of Calicut; the sea route was open to the wealth of India and of the Farther East.

An event of greater moment for the future of the world was meanwhile taking shape in the mind of a Genoese named Christopher Columbus. Brooding over the dreamlike maps of his fellow countrymen, he conceived a plan for sailing due west into the Atlantic beyond the known islands in search of yet another route to the East. He married the daughter of a Portuguese sailor and from his father-in-law's papers he learnt of the great oceanic ventures. In 1486 he sent his brother Bartholomew to seek English backing for the enterprise. Bartholomew was captured by pirates off the French coast and when he finally arrived in England and won the notice of Henry Tudor, the new King, it was too late. Christopher however had gathered the support of the joint Spanish

HENRY'S NAVY ON NEXT EIGHT PAGES

TEXT CONTINUED ON PAGE 85

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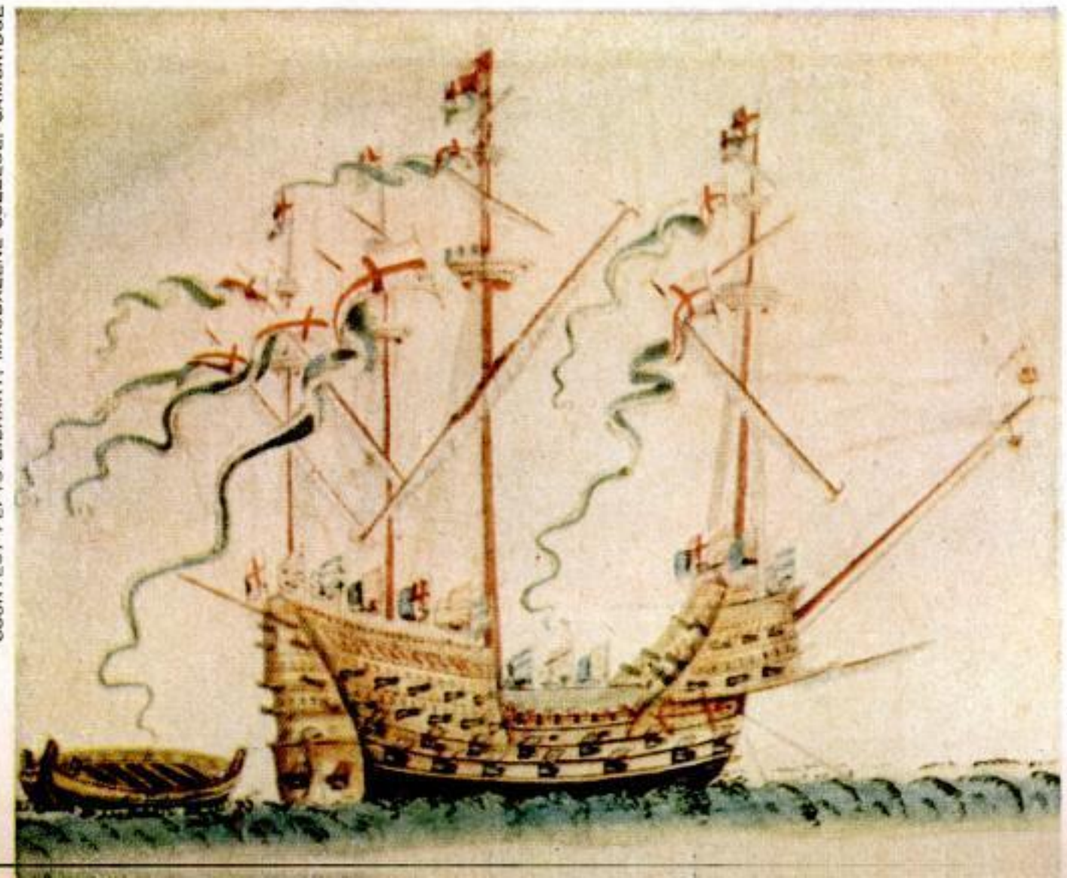
COURTESY THE WALKER ART GALLERY, LIVERPOOL

GREAT TUDOR, Henry VIII, established Church of England, laid cornerstone of English national state and became "Father of the Navy." The robust king was a sartorial dandy when, at 46, this portrait was painted after one by Holbein. Cloaked in red velvet and sable, hatted in plumes and pearls, Henry wears gold and ruby clasps on doublet, gold locket, bejeweled collar, gold-mounted dagger and the emblem of the Order of the Garter on his left leg.

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MAKING DIPLOMATIC SHOW OF STRENGTH, HENRY TOOK HIS NEW FLEET WHEN HE WENT OVER TO FRANCE TO VISIT FRANCIS I IN 1520, THIS PAINTING,

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A BRAVE BEGINNING

Until Henry's day, vessels in northern seas were clumsy "round ships," stout and commodious cargo carriers about half as wide as they were long. Fitting a round ship for war entailed raising high-decked "castles" fore and aft. These superstructures were designed for carrying out the awkward naval tactics of the time—firing down on, grappling and boarding the enemy—but they made the ships still less maneuverable.

Henry's concern with the rising power of France and Spain impelled him to build England's first fighting navy. The brawn of a new weapon and the brains of English shipwrights enabled him to build it well. The weapon was the "great gun," a muzzle-loading

← "HENRY GRACE A DIEU," OR "GREAT HARRY," WAS LAUNCHED IN 1514

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COURTESY THE EARL OF SCARBOROUGH

ASCRIBED TO VINCENT VOLPE, SHOWS EMBARKATION AT DOVER. HENRY IS GOLD-CLAD FIGURE AT RAIL AMIDSHIPS OF VESSEL SECOND FROM RIGHT

OF THE NEW NAVY

cannon which so captivated the king that he supposedly evacuated part of the village of Houndsditch and blew it down for a test. To house these guns, ship designers sacrificed valuable cargo space and pierced the lower decks with portholes. Putting the guns below deck gave the ship new stability and seaworthiness by lowering the center of gravity.

Henry's first real battleship, the *Great Harry*, was still an unhandy round ship, but she spread more sail and her broadside guns, which made her the first real ship killer, were a promise for the future. In the century and a half that followed Henry's innovations, England became the world's most formidable sea power (*following pages*).



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"ROUND SHIP" HAD CLUMSY SAIL, GRAPPLING HOOK ON HER BOWSPRIT →

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BREAKING POINT for Armada came when Spanish, harassed but not yet much hurt, put into Calais. Then the English sent fire ships against them. Here blazing fire ships bear away from British ships, which form a crescent at right-hand side of painting, toward anchored Armada at left. Tall ship at left, flying Spain's arms blazoned on crossed staves, is engaged in close-in combat with smaller English vessel.



COURTESY THE NATIONAL MARITIME MUSEUM, GREENWICH

BIG GUN MAN, ardent supporter of the new naval tactics, Sir John Hawkins was third in command of the English against the Armada.

RESULT OF HENRY'S VISION

Henry's naval foresight came to fulfillment in 1588 with the defeat of the Spanish Armada (which will be described next week by Churchill). The Armada that sailed against the England of Henry's daughter Elizabeth was goaded partly by Protestant England's defiance of the Catholic world and partly by piratical attacks of English freebooters like Drake, who had sacked the Spanish treasure ships returning richly laden from the New World.

The English captains who faced the "invincible Armada" reposed their faith in the culverin, a long-range cannon. Instead of relying solely on the old principles of grappling and boarding, they engaged in "off-fighting"—standing at a distance and pounding the enemy to pieces with their longer guns. The English also had a new tactical doctrine of keeping to windward of the enemy and forming a rudimentary line of battle to keep up a "perpetual volley" of broadsides. They concentrated on the enemy's "windermost" ship "so to entangle them and drive them foul of one another to their utter confusion."

So well did the English theories work out in practice that the larger, more heavily gunned Spanish fleet was crushed, and sea warfare was revolutionized. The individual ship-against-ship encounters of the past gave way to battles of fleet against fleet, and the English navy developed a pride and confidence that has never been shaken.

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Oared ship in foreground is galleass, an unsuccessful Spanish experiment. Fire drove the Spanish out into the open and eventual defeat.



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←FAMOUS PRIVATEER, Sir Francis Drake, sailed around world in 1577–80 after raiding Spanish, was vice admiral against the Armada.

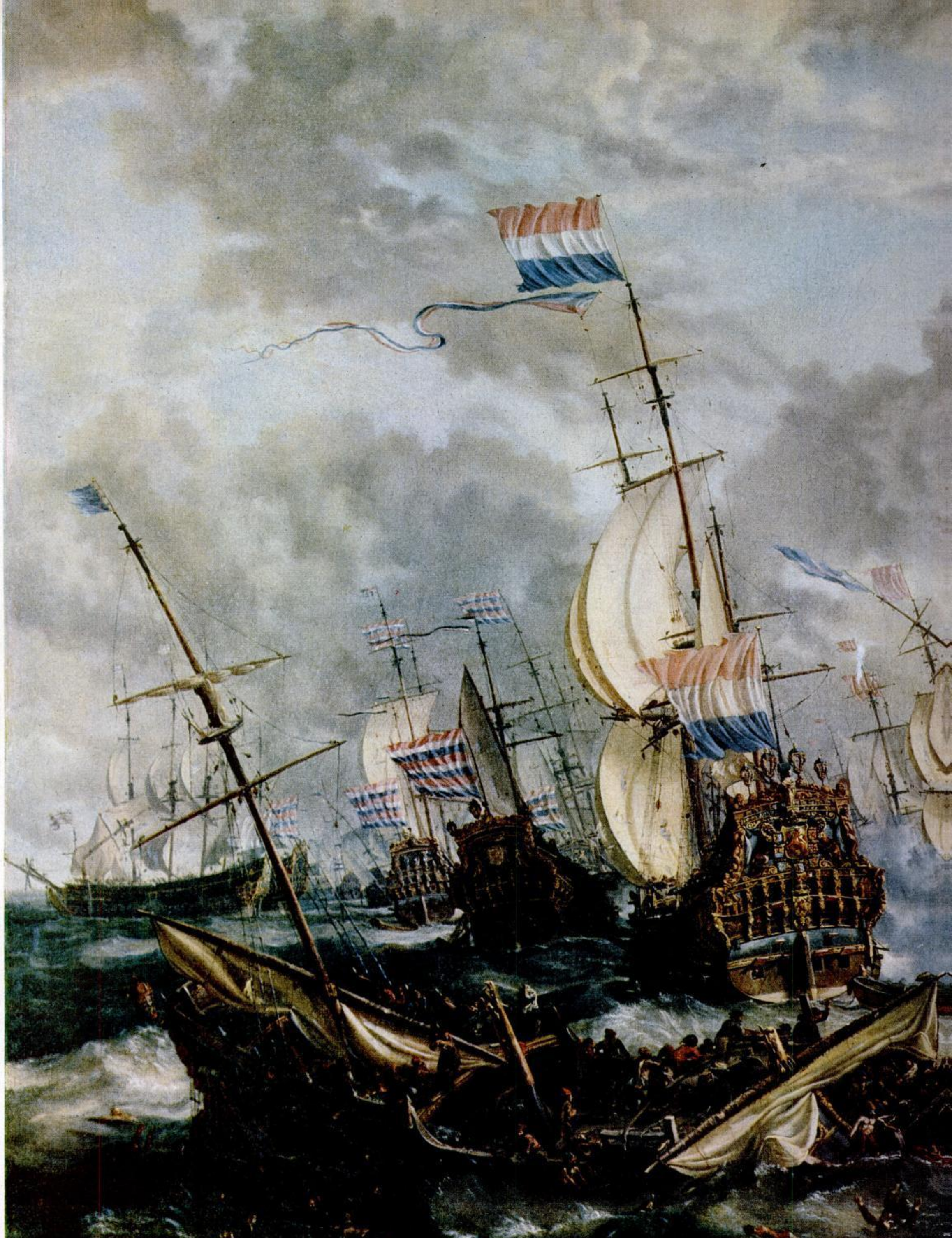


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LORD ADMIRAL, Charles, Lord Howard of Effingham, commanded through seasoned seadogs of the War Council, including Drake.

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DEMONSTRATION OF TACTICS took place in 1666 during the Second Dutch Wars. An argument was raging through the British Navy between the "melee" school which advocated individual ship actions after initial approach, and the "formalist" school which advocated rigid line-of-battle tactics. In the Four Days Fight in the Channel, depicted here by Abraham Storck, the British fleet was led by Prince Rupert,

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leader of the melee school. His flagship, *Royal James* (*right, center*), lost its main topmast in the fight. The Dutch were commanded by Admiral de Ruyter, a brilliant tactician, from his high-sterned flagship, *Zeven Provincien* (*left, center*). Though the Dutch withdrew, the British lost so heavily that the melee school was discredited, and inflexible "permanent fighting instructions" ruled the British Navy for almost a century.

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A 90-GUNNER, the *St. Michael* was built in scale model for Admiralty approval. Pleased, Admiralty ordered ship. She was launched in 1669.



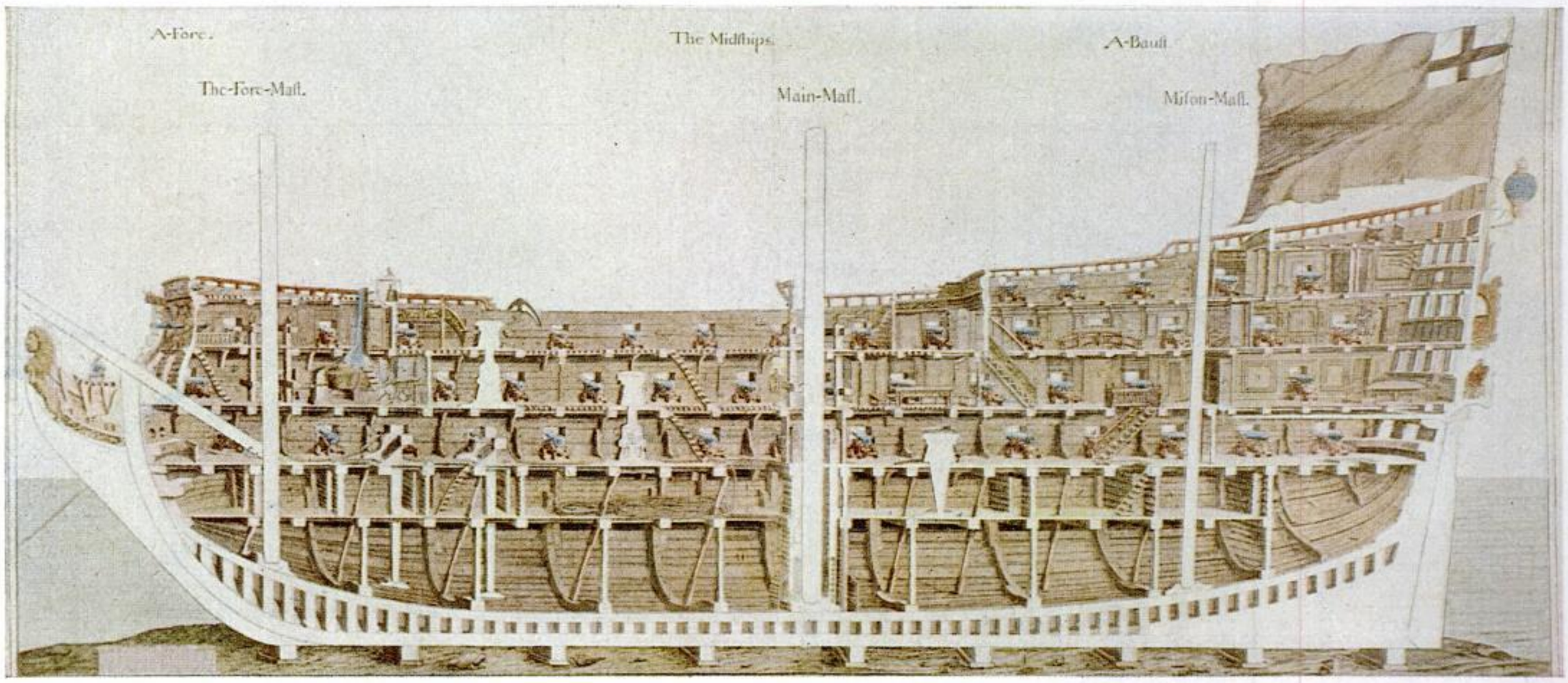
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"SOVEREIGN OF THE SEAS" and Builder Peter Pett were portrayed together in 1660. Pett, a master shipwright, was son of her designer.

'FIRST-RATE,' PRIDE OF HER DESIGNER

The culmination of the sailing warship, which Englishmen affectionately dubbed their "Wooden Walls," was the "first-rate" ship of the line. A prototype of the line was the tall beauty *Sovereign of the Seas* (*above*) built for Charles I in 1637 to designs of the master shipwright, Phineas Pett.

The typical first-rate carried 100 guns on three gun decks. The longest ranged guns could throw an 18-pound weight of metal 330 yards at point-blank range. The first-rate carried up to 1,000 officers and men and at the maximum size was 200 feet long with a tonnage of 2,500. These dimensions taxed the ultimate strength of stout English oak. Even Lord Nelson's *Victory*, at Trafalgar in 1805, differed in no great way from Pett's designs for the *Sovereign*.



COURTESY THE NATIONAL MARITIME MUSEUM, GREENWICH

A "FIRST-RATE" is shown in 17th Century cross-section print. The top three decks and poop (half deck aft) were filled with guns, even in officers' quarters aft. Seamen slept on lower gun deck, midshipmen in the deck below. Powder, shot and provisions were in hold at bottom.

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TEXT CONTINUED FROM PAGE 76

sovereigns, Ferdinand of Aragon and Isabella of Castile, and under their patronage in 1492 he set sail into the unknown from Palos in Andalusia. After a voyage of three months he made landfall in one of the islands of the Bahamas. Unwittingly he had discovered not a new route to the East, but a new continent in the West soon to be called America.

The New World opened its spacious doors, not only geographically by adding North and South America as places for Europe to live in, but by enlarging its whole way of life and outlook and the uses it could make of all it had.

THE FOUNDER OF THE DYNASTY that would lead England through this century was Henry VII, who had risen from a life of exile to the throne of England. A member of the House of Lancaster and therefore an enemy of the ruling House of York, he had gained the crown and brought the Wars of the Roses to an end by defeating Richard III at Bosworth. To later ages he has always seemed a strangely elusive character. Yet probably none of his successors so shrewdly, so lastingly helped to make England's monarchy strong. Now Sir Winston resumes his narrative:

HENRY VII as a statesman was imbued with the new, ruthless political ideas of Renaissance Europe. He strove to establish a strong monarchy in England, molded out of native institutions. The King's Council was strengthened. It was given parliamentary authority to examine persons with or without oath, and condemn them, on written evidence alone, in a manner foreign to the practice of the Common Law. The Court of the Star Chamber met regularly at Westminster, with the two Chief Justices in attendance. It was originally a judicial committee of the King's Council, trying cases which needed special treatment because of the excessive might of one of the parties or the novelty or enormity of the offense. The complaints of the weak and oppressed against the rich and mighty, cases of retainer which involved keeping private armies of liveried servants, of embracery, which meant corruption of juries—all these became their sphere.

But the main function of the King's Council was to govern rather than to judge. The choice of members lay with the monarch. Even when chosen they could not attend of right; they could be dismissed instantly; meanwhile they could stop any action in any court in England and transfer it to themselves, arrest anyone, torture anyone. A small inner committee conducted foreign affairs. And at the center was the King himself, the embodiment of direct personal government, often authorizing or auditing expenditure, even the most trifling, with great sprawling initials which may still be seen at the Record Office in London.

It is often forgotten that almost all existing portraits of Henry VII are based upon a single death-mask, accurate no doubt as to features, but tending to give him a hard and grave appearance, which does not tally with any contemporary description. Yet they seem to accord with what is known of his character and career. The picture in the National Portrait Gallery is however dated four years before his death; and here his quick, hard, gray eyes look out from an arched setting. Delicate, well-kept hands rest lightly upon the bottom of the frame. His lips are set tight, with a faint smile breaking the corners. There is an air of disillusionment, of fatigue, of unceasing vigilance, and above all of sadness and responsibility. Such was the architect of the Tudor monarchy, which was to lead England out of medieval disorder into greater strength and broader times.



HENRY VII, first Tudor king, was painted by a Flemish artist four years before his death.

THE LONG REIGN of Henry VIII (1509–1547) witnessed the break with Rome which sealed the division between Catholic and Protestant Europe. It was a reign ever to be famed for its irony. For its first 20 years, Henry VIII was a stout champion of papal authority. Even when he came to founding a Church of England, he tried to safeguard the teachings of Rome. And because he chose Parliament as his most effective public weapon through which to fight the Papacy, this authoritarian Tudor ended by writing a most decisive chapter in the history of Parliament's long struggle for survival and supremacy.

HENRY had been intended for the Church. He had therefore been brought up by his father in an atmosphere of learning. Much time was devoted to serious studies—Latin, French, Italian, theology, music—and also to bodily exercise, to the sport of jousting, at which he excelled, to tennis, and hunting the stag. His manner was straightforward, and he impressed one of the cleverest women of the age, Margaret of Austria, Regent of the Netherlands, as a young man on whose word reliance could be placed. Owing to his father's careful savings he had at his accession more ready money than any prince in Christendom. The ambassadors reported favorably on him. "His Majesty," one said, "is the handsomest potentate I have ever set eyes on; above the usual height, with an extremely fine calf to his leg; his complexion fair and bright, with auburn hair combed straight and short in the French fashion, and a round face so very beautiful that it would become a pretty woman; his throat rather long and thick. . . . He speaks French, English, Latin, and a little Italian, plays well on the lute and harpsichord, sings from a book at sight, draws the bow with greater strength than any man in England, and jousts marvellously." Another wrote: "He is fond of hunting, and never takes his diversion without tiring eight or ten horses, which he causes to be stationed beforehand along the line of country he means to cover. He is extremely fond of tennis, at which game it is the prettiest thing in the world to see him play, his fair skin glowing through a shirt of the finest texture."

Henry in his maturity was a tall, red-headed man who preserved the vigor and energy of ancestors accustomed for centuries to the warfare of the Welsh marches. His massive frame towered above the throng, and those about him felt in it a sense of concealed desperation, of latent force and passion. A French ambassador confessed, after residing for months at Court, that he could never approach the King without fear of personal violence. Although Henry appeared to strangers open, jovial, and trustworthy, with a bluff good-humor which appealed at once to the crowd, even those who knew him most intimately seldom penetrated the inward secrecy and reserve which allowed him to confide freely in no one.

Bursts of restless energy and ferocity were combined with extraordinary patience and diligence. Deeply religious, Henry regularly listened to sermons lasting between one and two hours and wrote more than one theological treatise of a high standard. He was accustomed to hear five Masses on Church days, and three on other days, served the priest at Mass himself, was never deprived of holy bread and holy water on Sunday, and always did penance on Good Friday. His zeal in theological controversy earned him from the Pope the title of "Defender of the Faith." An indefatigable worker, he

CONTINUED 85

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digested a mass of dispatches, memoranda, and plans each day without the help of his secretary. He wrote verses and composed music. Profoundly secretive in public business, he chose as his advisers men for the most part of the meanest origin: Thomas Wolsey, the son of a poor and rascally butcher of Ipswich whose name appears on the borough records for selling meat unfit for human consumption; Thomas Cromwell, a small attorney [and a remote relative of Oliver Cromwell]; Thomas Cranmer, an obscure lecturer in divinity. Like his father, Henry distrusted the hereditary nobility, preferring the discreet counsel of men without a wide circle of friends.

Early in his reign he declared, "I will not allow anyone to have it in his power to govern me." As time passed his wilfulness hardened and his temper worsened. His rages were terrible to behold. There was no noble head in the country, he once said, "but he would make it fly," if his will were crossed. Many heads were indeed to fly in his thirty-eight years on the throne.

This enormous man was the nightmare of his advisers. Once a scheme was fixed in his mind he could seldom be turned from it, resistance only made him more stubborn; and, once embarked, he always tended to go too far unless restrained. Although he prided himself on his tolerance of any expression of opinion by his advisers, however outspoken, it was usually unwise to continue to oppose him after he had made up his mind. His habit was to talk to all classes—barbers, huntsmen, his "yeoman cook to the King's mouth" —and particularly anyone, however humble, connected with the sea, to ferret out opinions, and ride off on hunting expeditions which sometimes lasted for weeks. He showed himself everywhere. Each summer he went on progress through the country, keeping close to the mass of his subjects, whom he understood so well.



TUDOR SPLENDOR was displayed by Henry VIII (*on horseback, left foreground*) when he marched with a glittering retinue of 4,000 men to meet the French king, Francis I, on the Field of the Cloth of Gold near

THE BREAK WITH ROME

FOR TWENTY YEARS Henry pursued a nonviolent course, and Cardinal Thomas Wolsey, as Lord Chancellor, effectively ran the government. But in 1527 two events changed everything: in Rome, the Pope became the virtual prisoner of the Habsburg Emperor Charles V, and in London, Henry fell in love with Anne Boleyn

The connection between these two events lay in the person of Henry's queen, Catherine. Henry had married Catherine, his own brother's widow, 18 years earlier by special Papal dispensation. Now she suffered, in Henry's eyes, from two chronic disabilities: she was no match for the dark, vivacious young Anne Boleyn, and she had produced one daughter and no male heir. Henry now appealed to the learned universities of Europe, asking them whether his marriage to Catherine had ever been valid. When the universities replied that a man could not marry his brother's widow, Henry confidently sought from the Pope an annulment of his marriage.

Pope Clement VII refused. Immediately Henry became convinced that Papal obstinacy was due to the influence of Charles V, who was the nephew of Queen Catherine, and hence had to be fought in the name of English Sovereignty. As Henry launched his duel with Rome, he was supported by strong popular feelings: long-standing English anger toward foreign prelates, resentment of clerical privileges and abuses, and fear of civil disorder if Henry were to die without a male heir.

WE first hear of Anne Boleyn at Court four months after Henry had begun proceedings for the annulment of his marriage. Did he plan the divorce and then find Anne? Or had he arranged to marry Anne from the beginning? We shall never know, for Henry was very secretive in his private matters. His love-letters were secured by Papal agents, and are now in the Vatican library, but, while prettily phrased, they are undated, and disclose little except that Anne Boleyn kept him waiting for nearly a year.

Henry had had mistresses before, but never openly. The appearance at Court of a lady with whom he spent hours at a time created an extraordinary stir. The King, although he rode and talked openly with Anne, left Queen Catherine in charge of his personal wardrobe, including supervision of the laundry and the making of his linen. When he required clothes he continued to apply to Catherine, not Anne. Anne was furiously jealous.

The winter of 1531–32 was marked by the tensest crisis of Henry's reign. A form of excommunication, or even interdict, had been drafted in Rome, ordering the King to cast off his concubine Anne within fifteen days, only the penalties being left blank. The shadow of Papal wrath hung over England. At Court Christmas was kept with great solemnity. "All men," states a chronicler, "said there was no music in that Christmas, because the Queen and ladies were absent." But the King pursued his inflexible course to the end. Opposition merely confirmed him in his plans. The Annates Bill was drafted as a fighting measure, in case the worst occurred. It armed the King for a greater struggle with the Papacy than had preceded Magna Carta. If the Court of Rome, its preamble ran, endeavored to wield excommunication, interdict, or process compulsory in England, then all manner of sacraments and divine service should continue to be administered, and the interdict should not by any prelate or minister be executed or divulged. And the Annates, the first year's income which the bishops paid to Rome on consecration, were limited to five per cent of their former amount.

This was the most difficult Bill which Henry ever had to steer through Parliament. He was obliged to go down to the House of Lords himself at least three times, and even then seemed likely to fail, until he thought of an entirely new expedient—the first public division of the House. "He thought of a plan that those among the Members who wished for the King's welfare and the prosperity of the kingdom (as they call it) should stand on one side of the House and those who opposed the measure on the other. For fear of the King's indignation a number of them went over," and with considerable amendment the Bill was passed.

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Calais in 1520. For this diplomatic occasion, designed to impress the French, Henry had his architects build two wine fountains in front of a temporary palace (*right*) and erect cloth-of-gold tents (*background*).

The next step was to make the clergy submit to the royal supremacy. Henry got the Commons to prepare a document called the Supplication against the Ordinaries directed against the authority of Church courts. "Ordinaries" was the legal term for bishops and their deputies who enjoyed rights of jurisdiction. Although Convocation was truculent at first, making submission only in vague and ambiguous terms, Henry refused to compromise, and at the third attempt they agreed to articles of his own, making him effective master of the Church in England.

Thus the English Reformation was a slow process. An opportunist King measured his steps as he went, until England was wholly independent of administration from Rome. Wolsey had done much to prepare the way. He had supported the Papacy during some of its most critical years and in return had been allowed to exercise wide and sweeping powers which were usually reserved to the Pope himself or to one of his visiting legates. England therefore was more accustomed than any other province of Christendom to Papal jurisdiction being vested in one of its own priests, and this made it easier to transfer it to the Crown. Wolsey had also brought Papal authority in his own person nearer to men's lives than it had ever been, and this unsought familiarity bred dislike. The death in August of old Archbishop Warham, principal opponent of the King's divorce, opened further possibilities and problems. Henry did not hasten to appoint a successor. He had to consider how far he could go. If there were a struggle could any of his bishops be trusted to forget the oath which they had sworn to the Pope at their consecration? Would there be a rebellion? Would the Emperor, Queen Catherine's nephew, invade England from the Low Countries? Could the King rely on French neutrality?

Confident that he could carry through even the most startling appointment to Canterbury, Henry recalled Cranmer from his embassy at the court of Charles V. Thomas Cranmer had been married twice, the second time in Germany after ordination, in the new German fashion for priests, to the niece of a well-known Lutheran. Since the marriage of priests was still illegal in England, Cranmer's wife went ahead in disguise. Cranmer himself arrived in London in the middle of December, 1532. A week later he was offered the Archbishopric of Canterbury. He accepted. Henceforward, until Henry died, Cranmer's wife was always hidden, and if she accompanied him was obliged, according to popular repute, to travel with the luggage, in a vast chest specially constructed to conceal her.

A month later Henry secretly married Anne Boleyn. Historians have never discovered for certain who performed the ceremony, or where. Cranmer himself was not the priest. Both he and the Imperial Ambassador reported subsequently that the marriage had taken place in January 1533. Undoubtedly, in the eyes of the Roman Catholic world, Henry VIII committed bigamy, for he had been married nearly twenty-five years to Catherine of Aragon, and his marriage had not yet been annulled in Rome, or even in England, by any court or any public act. He simply assumed he had never been legally married at all, and left the lawyers and clergy to put the matter right afterwards.

Cranmer became Archbishop in the traditional manner. He swore to obey the Pope with the usual oath, though reservations were made before and afterwards, and he was consecrated with the full ceremonial. This was important: the man who was to carry through the ecclesiastical revolution had thus been accepted by the Pope and endowed with power. Two days afterwards however a Bill was introduced into Parliament vesting in the Archbishop of Canterbury the full authority, formerly possessed by the Pope, to hear and determine all appeals from the ecclesiastical courts in England. Future attempts to use any foreign process would involve drastic penalties. The judgments of the English courts were not to be affected by any Papal verdict or by excommunication, and any priest who refused to celebrate divine service or administer the sacraments was made liable to imprisonment.

This momentous Bill, the work of Thomas Cromwell, which abolished what still remained of Papal authority in England, passed through Parliament in due course, and became known as the Act of Appeals. The following month Henry himself wrote a letter describing his position as "King and Sovereign, recognizing no superior in earth but only God, and not subject to the laws of any earthly creature." The breach between England and Rome was complete.

QUEEN ANNE BOLEYN on September 7, 1533 gave birth to a girl, the future Queen Elizabeth. Anne thus proved of no more dynastic service than had Catherine, who had produced only the Princess Mary. The people of England wondered: what next? Henry's answer was a tantrum and a new love.

THERE was no rejoicing in Henry's heart. A male heir had been his desire. After he had defied the whole world, perhaps committed bigamy, and risked deposition by the Pope and invasion, here was only a second daughter. "Do you wish to see your little daughter?" the old nurse asked, according to one account. "My daughter, my daughter!" replied the King in a passion. "You old devil, you witch, don't dare to speak to me!" He galloped at once away from Greenwich, away from Anne, and in three days had reached Wolf Hall, in Wiltshire, the residence of a worthy old courtier, Sir John Seymour, who had a clever son in the diplomatic service and a pretty daughter, a former Maid of Honor to Queen Catherine. Jane Seymour was about twenty-five, and although she was attractive no one considered her a great beauty. "Her skin," reported the Imperial Ambassador, "is so whitish that it may be called rather pale. She is not very clever, and is said to be rather arrogant." But she was gay, and generally liked, and Henry fell in love with her.

After the birth of Elizabeth, criticism of the King and his ecclesiastical measures could no longer be stifled. If the choice was between two princesses, men said, then why not choose Mary, the legitimate one? But the King would have none of this argument. An Act was passed vesting the succession in Elizabeth. In March 1534 every person

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CATHERINE OF ARAGON



ANNE BOLEYN



JANE SEYMOUR



ANNE OF CLEVES



CATHERINE HOWARD



CATHERINE PARR

THE SIX WIVES OF HENRY VIII

From the time he was 18 years old until his death at 55, Henry was a married man for all but about three years. The parade of queens (*left*) began with Catherine of Aragon, whom he married in 1509. After nearly 25 years of marriage and no male heir, Catherine was ousted to make room for Anne Boleyn, who was queen for only three years (1533–1536) before she was executed. Jane Seymour married Henry less than two weeks after Anne's execution. She died in 1537 after giving Henry the male heir he wanted, the future Edward VI. Henry's next marriage in 1540 to Anne of Cleves was for purely political reasons, and it was annulled in less than a year. Catherine Howard, said to have been the prettiest of Henry's wives, succeeded Anne in the same year and was beheaded in 1542 for adultery. Henry married for the sixth time in 1543, spending his last three years with the quiet, homey widow, Catherine Parr.

of legal age, male or female, throughout the kingdom was forced to swear allegiance to this Act and renounce allegiance to all foreign authority in England. The clergy were prohibited from preaching unless specially licensed; a prayer was prescribed for use in all churches, containing the words, "Henry VIII being immediately next unto God, the only and supreme head of this Catholic Church of England, and Anne his wife, and Elizabeth daughter and heir to them both, our Princess." To publish or pronounce maliciously by express words that the King was a tyrant or heretic was made high treason. As the brutality of the reign increased many hundreds were to be hanged, disembowelled, and quartered on these grounds.

HENRY WAS FURIOUS with Anne herself, even though he now claimed the succession for her daughter. When Anne miscarried in her next pregnancy, again disappointing Henry's earnest hopes for a son and proper heir, her fate was sealed.

IT was already rumored that in her intense desire for an heir Queen Anne had been unfaithful to the King soon after the birth of Elizabeth, with several lovers. If proved, this offense was capital. The Queen had accordingly been watched, and one Sunday two young courtiers, Henry Norris and Sir Francis Weston, were seen to enter the Queen's room, and were, it was said, overheard making love to her. The following Sunday a certain Smeaton, a gentleman of the King's chamber, who played with great skill on the lute, was arrested as the Queen's lover. Smeaton subsequently under torture confessed to the charge.

Anne's lovers were sentenced to be hanged, drawn and quartered, but execution was deferred until after the trial of the Queen. She was charged with being unfaithful to the King; promising to marry Norris after the King was dead; giving Norris poisoned lockets for the purpose of poisoning Catherine and Mary; and other offenses, including incest with her brother. The Queen denied the charges vigorously, and replied to each one in detail. The peers retired, and soon returned with a verdict of guilty. The Queen was to be burnt or beheaded, at the King's pleasure.

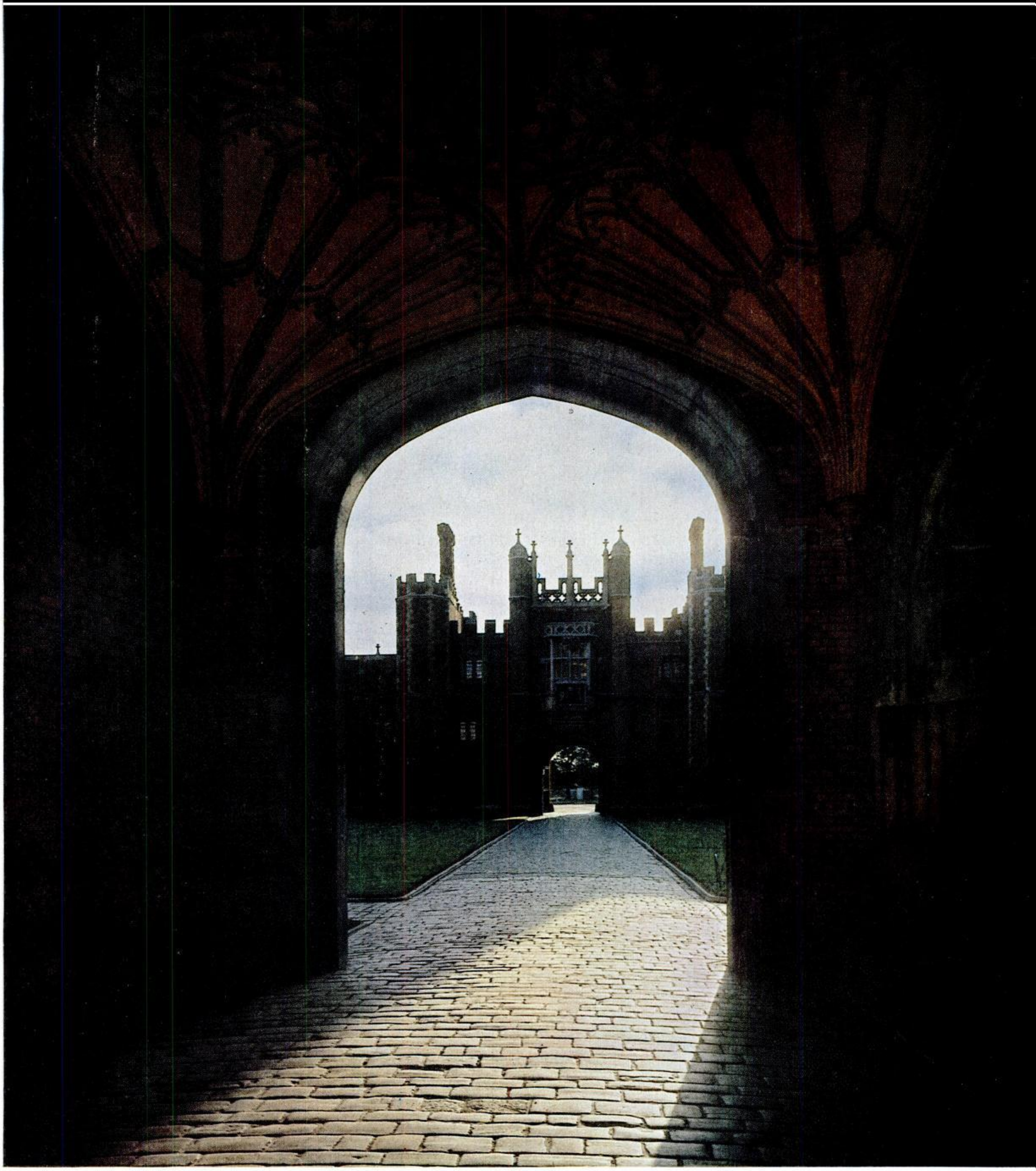
Anne received the sentence with calm and courage. She declared that if the King would allow it she would like to be beheaded like the French nobility, with a sword, and not, like the English nobility, with an ax. Her wish was granted; but no executioner could be found in the King's dominions to carry out the sentence with a sword, and it was found necessary to postpone the execution from Thursday to Friday while an expert was borrowed from St. Omer, in the Holy Roman Emperor's dominions. During Thursday night she slept little. Distant hammering could be heard from the courtyard of the Tower, as a low scaffold, about five feet high, was erected for the execution. In the morning the public was admitted to the courtyard.

On May 19, 1536, the headsman was already waiting, leaning on his heavy two-handed sword, when the Constable of the Tower appeared, followed by Anne in a beautiful night robe of heavy gray damask trimmed with fur, showing a crimson kirtle beneath. She had chosen this garment in order to leave her neck bare. A large sum had been given to her to distribute in alms among the crowd. "I am not here," she said to them simply, "to preach to you, but to die. Pray for the King, for he is a good man and has treated me as well as could be. I do not accuse anyone of causing my death,

TUDOR LANDMARKS ON NEXT FIVE PAGES

TEXT CONTINUED ON PAGE 95

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THROUGH ARCHWAY NAMED FOR ANNE BOLEYN, A COBBLED PAVEMENT LEADS TO GATEHOUSE OF HAMPTON COURT WHERE RETINUE WAS HOUSED

SETTING FOR A LUSTY KING

More than any other royal mansion in Britain today, the stately Tudor palace of Hampton Court outside London evokes the tempestuous reign of Henry VIII. Henry first visited Hampton Court in 1514 and within its portals (*above*) he pursued his willful wooing and wiving. The palace was host to all of his six wives and the setting for one of his marriages, the birth of his son Edward VI and the death of his third wife, Jane Seymour. The resplendent Great Hall, the complex of kitchens and food cellars, the tennis court and jousting area remain as mementos of the sportive life of the lusty king. Now open to the public, Hampton Court also has numerous "grace and favor" apartments which are lived in rent-free by the widows and children of subjects who have served the Crown well.

Photographed for LIFE by GJON MILI

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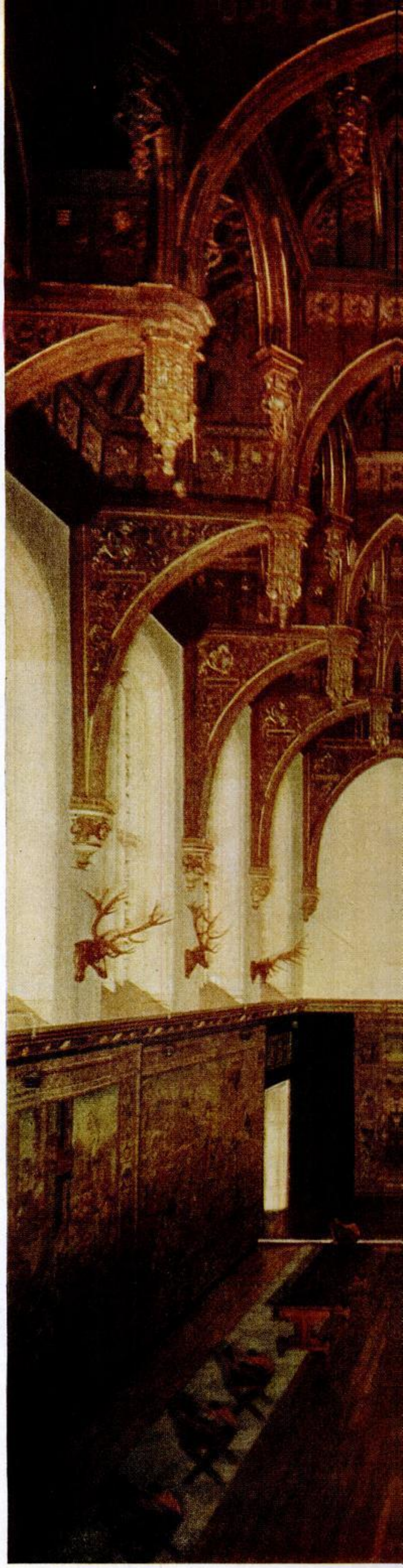
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HAMPTON COURT was originally owned by Cardinal Thomas Wolsey, who built the Great Gatehouse (*right of center*) and other palatial quarters. In 1529 Henry VIII took it over, added wings and transformed the palace into one of most luxurious dwellings in the realm.



KING'S BEASTS, carved animals supporting royal coats of arms, perch on pillars along gatehouse bridge. Fond of the "beasts," which included mythical species, Henry ordered 16 of them installed on the palace grounds. Those above are recent copies of Henry's originals.



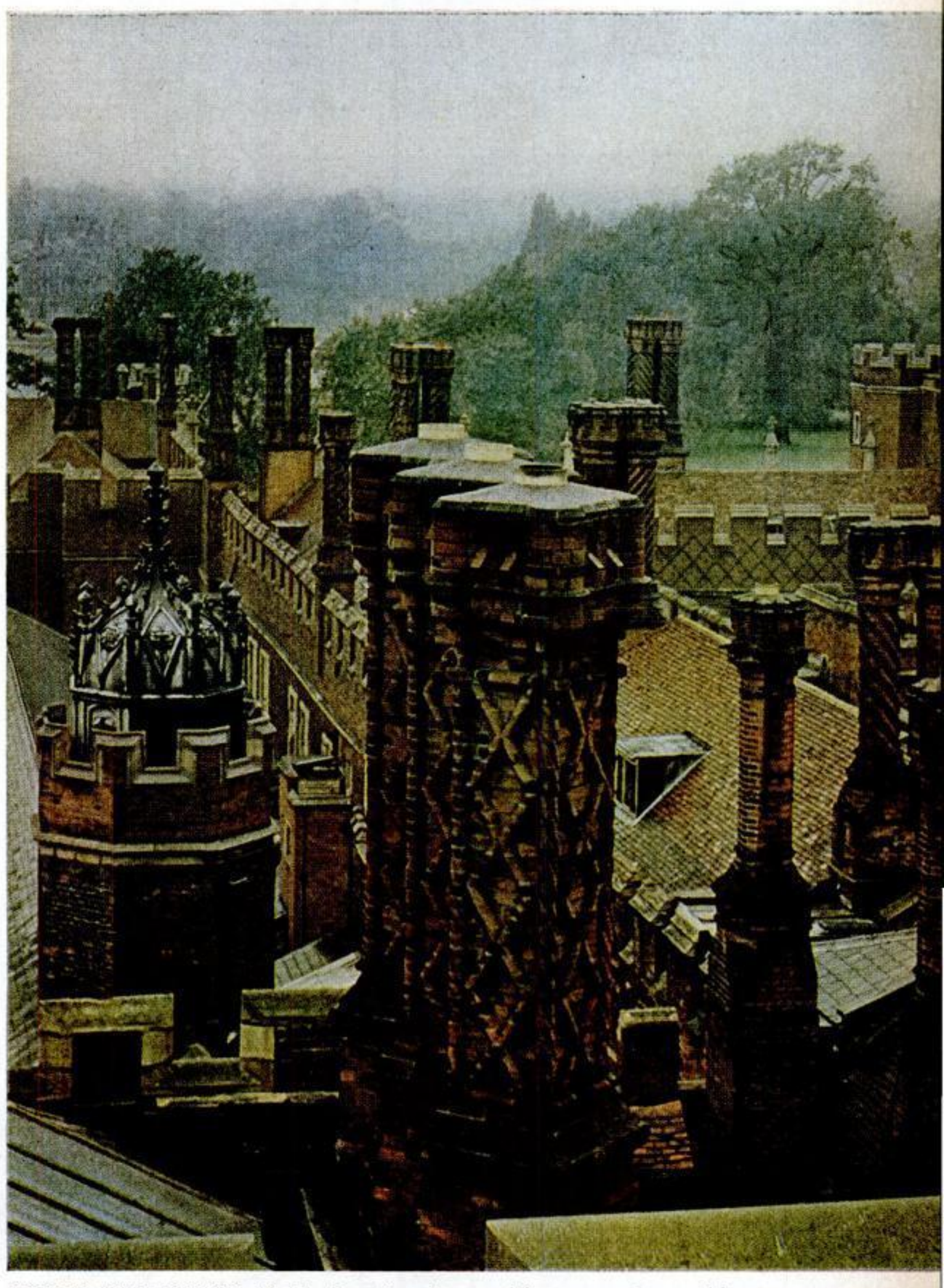
GREAT HALL, 106 feet long and 60 feet high, was begun in 1531 and took five years to finish even though the builders were required to work

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night and day. The roof beams were embellished with Anne Boleyn's coat of arms, but by the time the hall was done Anne was dead and Jane Seymour had taken her place on the dais (*rear*) beside the king.



EIGHT-FOOT CLOCK was designed for Henry in 1540, installed in a tower. Restored in 1879, it indicates hour, day, moon phase, number of days since beginning of year and high-water time at London Bridge.



BRICK CHIMNEYS, highly functional necessities, were also architectural ornaments in Henry's day. Some 250 Tudor chimneys, adorned with geometric designs and twisted shapes, enliven Hampton Court rooftops.

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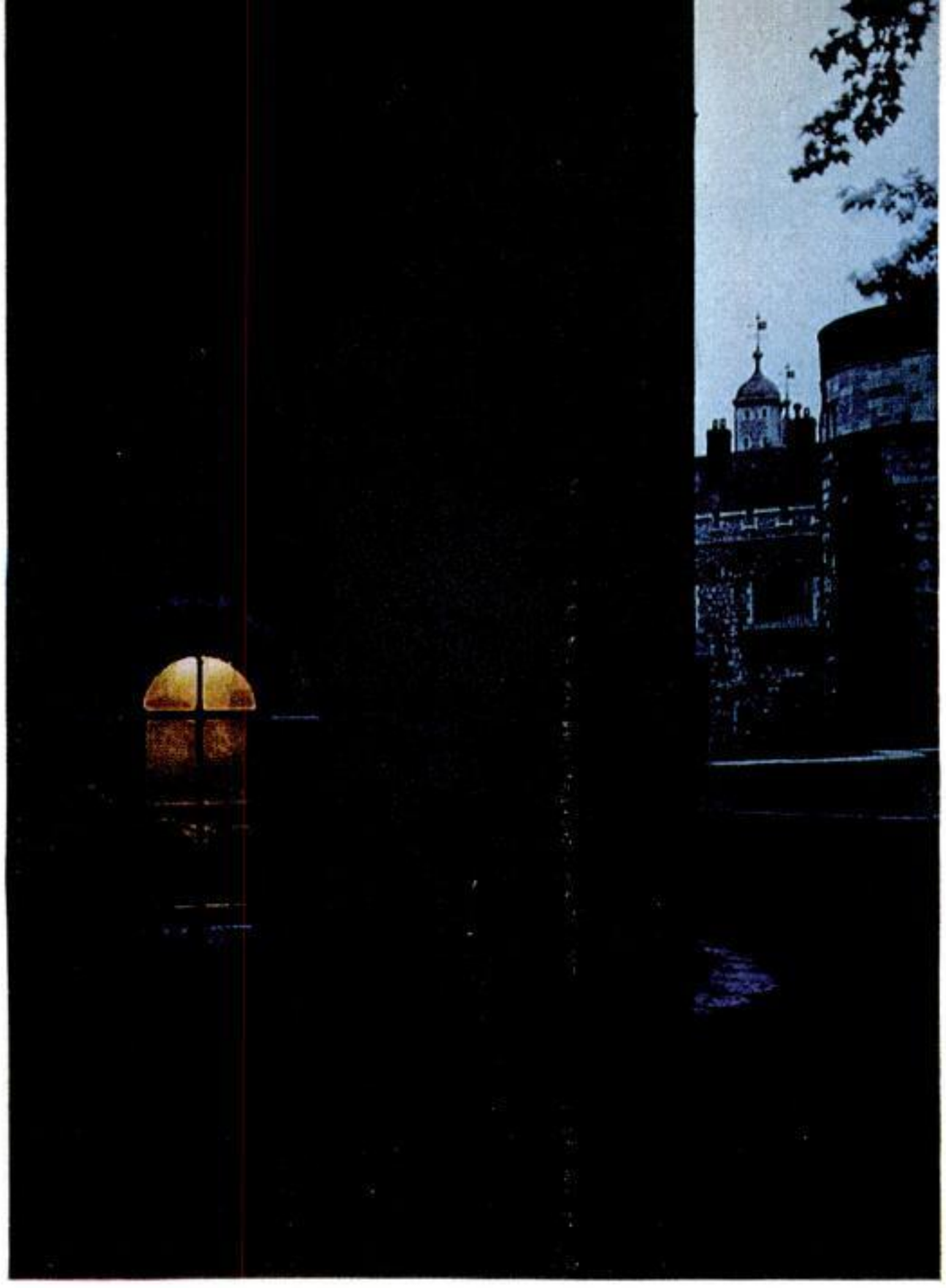
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THE STONY SCENE OF BLOODY DEEDS

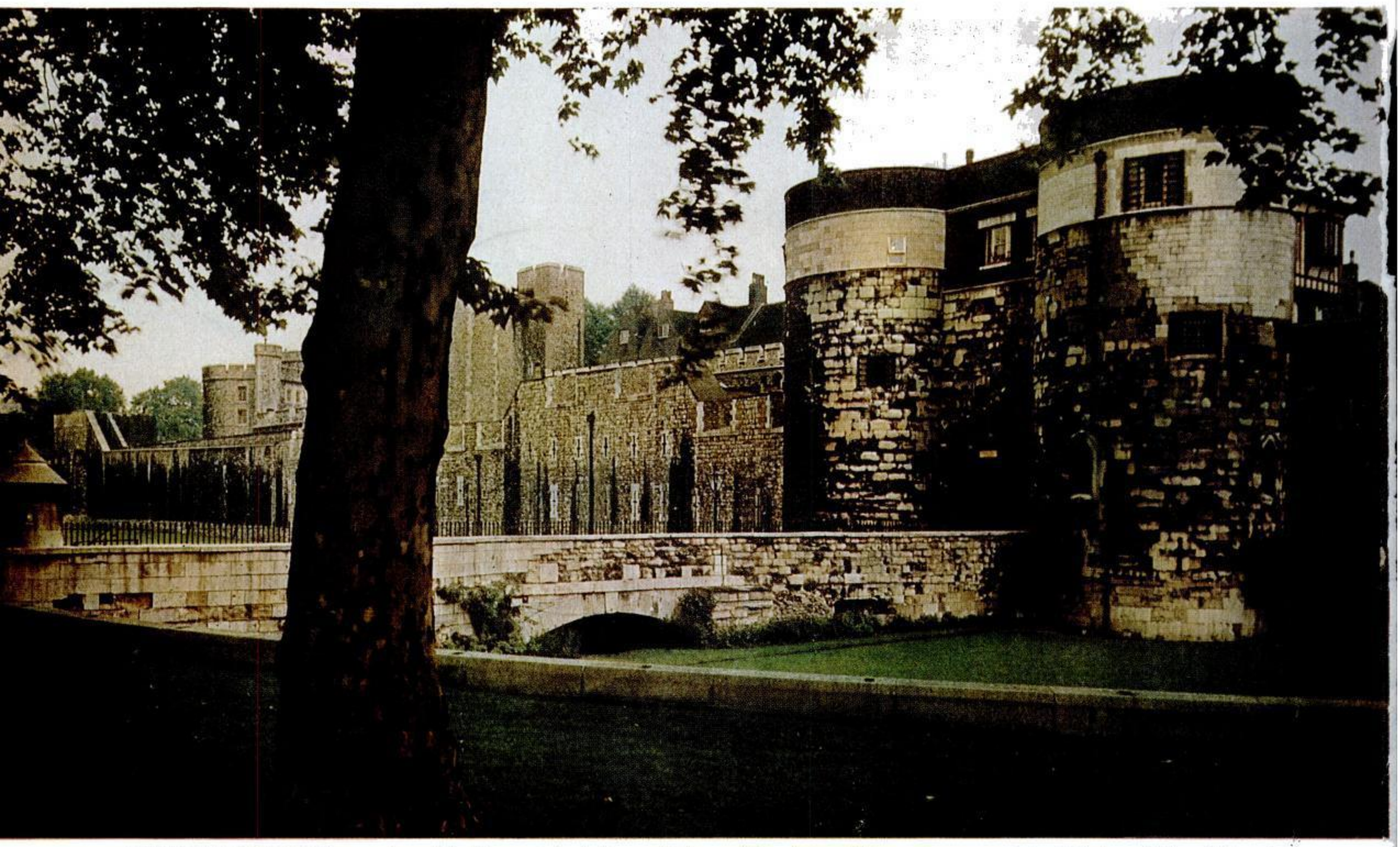
Down the Thames from Hampton Court, remote from royal festivities, the bloodier events of Henry's reign took place with relentless regularity. The dank, stony confines of the Tower of London became the inevitable and final shelter of an increasing number of women and men who dared to oppose the king, trifle with his property or, in some cases, merely dared to exist.

Since its beginnings in the 11th Century when it was built as a fortress by William the Conqueror, the Tower had served as a prison, housing some of the most illustrious figures of British history. Here Richard II signed his abdication and, under Richard III, young Prince Edward was murdered with his brother. But it served as well as a royal palace and was the traditional lodging for every monarch before his coronation. From the Tower on June 24, 1509, Henry VIII himself rode off to be crowned, accompanied by his wife Catherine who was borne on a golden litter.

Before long the procession of famous doomed people wound grimly through the Tower to the executioner—two of Henry's queens, the philosopher Sir Thomas More, the poet Earl of Surrey and many others who went to their death at the king's command. In his final years, tormented in body and mind, Henry VIII had reason to recall the admonishment of still another ill-fated subject, Cardinal Wolsey, that he not forget "there is both Heaven *and* Hell."



THROUGH LONELY WINDOW in one of the towers that make up the Tower of London a soft light gleams. From such windows Henry's prisoners kept their last vigil on the world they were about to leave.



LOW-SLUNG BRIDGE, spanning a filled-in moat, leads from a 13th Century gatehouse (*right*) toward the entrance (*left*) of the Tower of London. Crossing this bridge, Henry and Catherine of Aragon rode to Westminster Abbey to be crowned. In 1533 Anne Boleyn followed the same route to her coronation. Wearing white, she passed through streets banked with velvet and brocade but hemmed in by scornful crowds.

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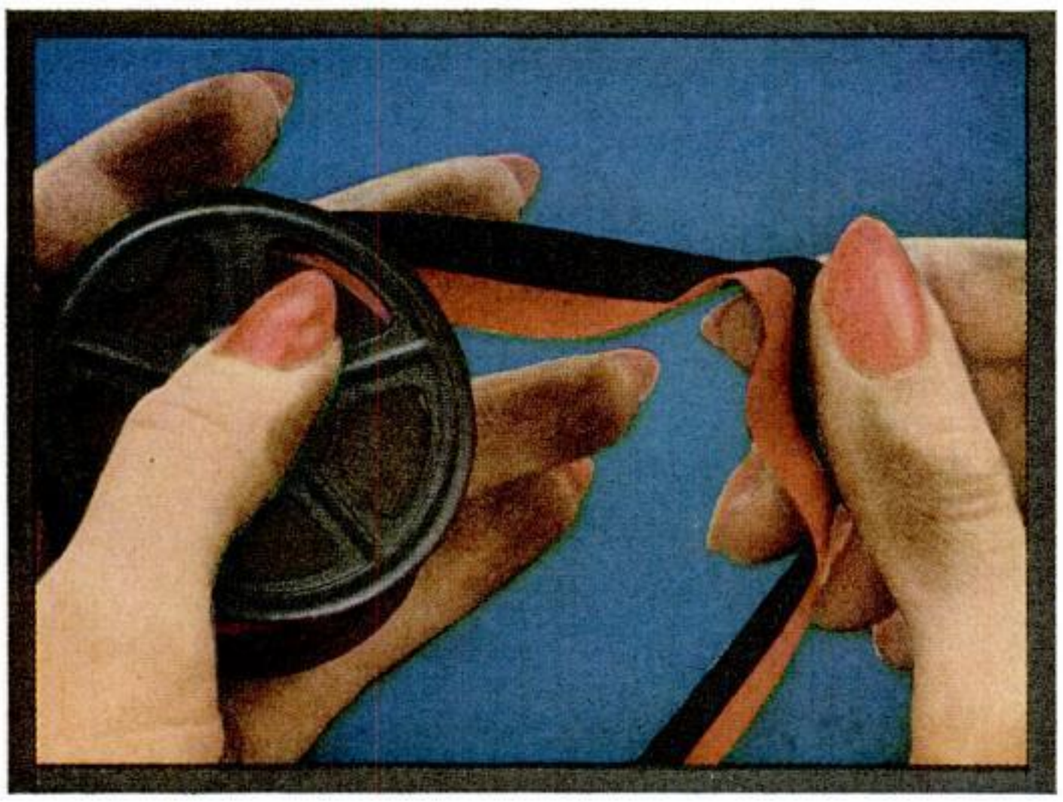


TRAITORS' GATE, by the Thames, was the entrance through which prisoners customarily passed into the Tower. It was also used by Anne Boleyn when, as consort of the king, she came by royal barge to the Tower on the eve of her coronation. Three years later the gate was used by Anne again, this time as prisoner of the king. In 1542 another queen, Catherine Howard, moved through the gate on the way to her beheading.

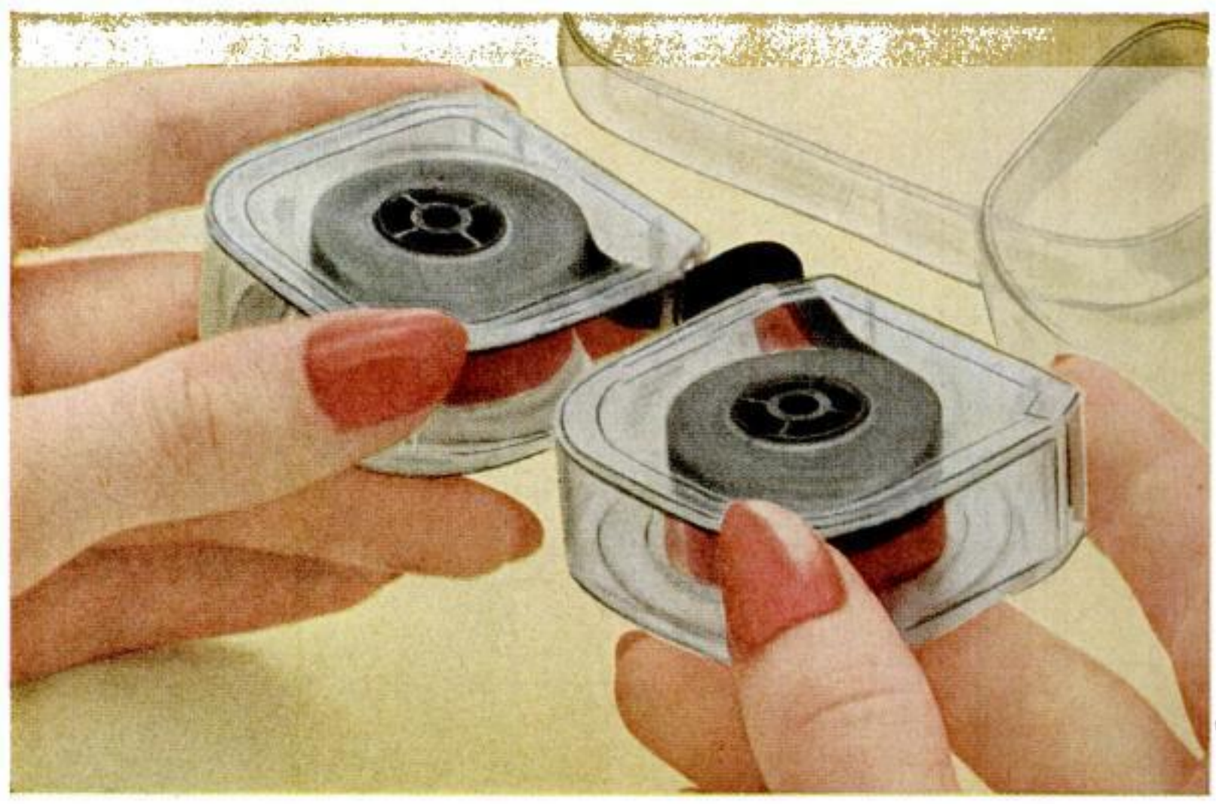
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You cannot smudge your fingers changing ribbons on the 1957 Royal Portable



End this! Up to now you've had to touch a typewriter ribbon to change it. You couldn't help smudging your fingers and dirtying your hands.



1 But not any more! Ribbon for the new Royal Portable, called TWIN-PAK, comes rolled inside two plastic boxes. There's nothing to wind! Nothing to thread!



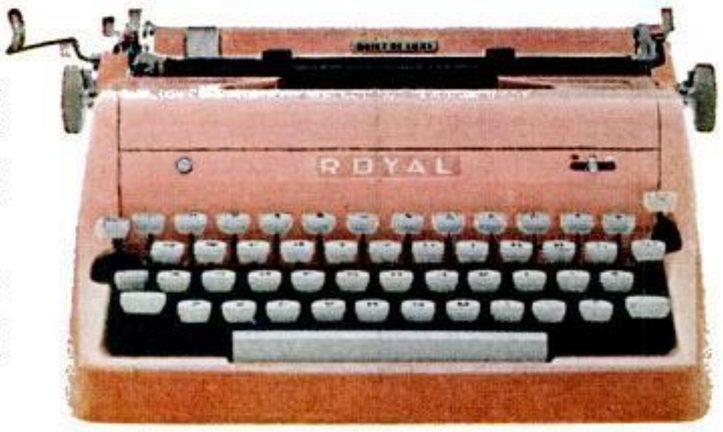
2 To change, simply lift out the old ribbon boxes; drop Royal's new TWIN-PAK quick-change ribbon into place. You're ready to type in a matter of seconds.



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The Famous Royal Quiet Deluxe.® Comes in 6 exciting new colors. A rugged Royal—the typewriter that passed the "96-Year" Test. Standard keyboard and controls. The standard typewriter in portable size.

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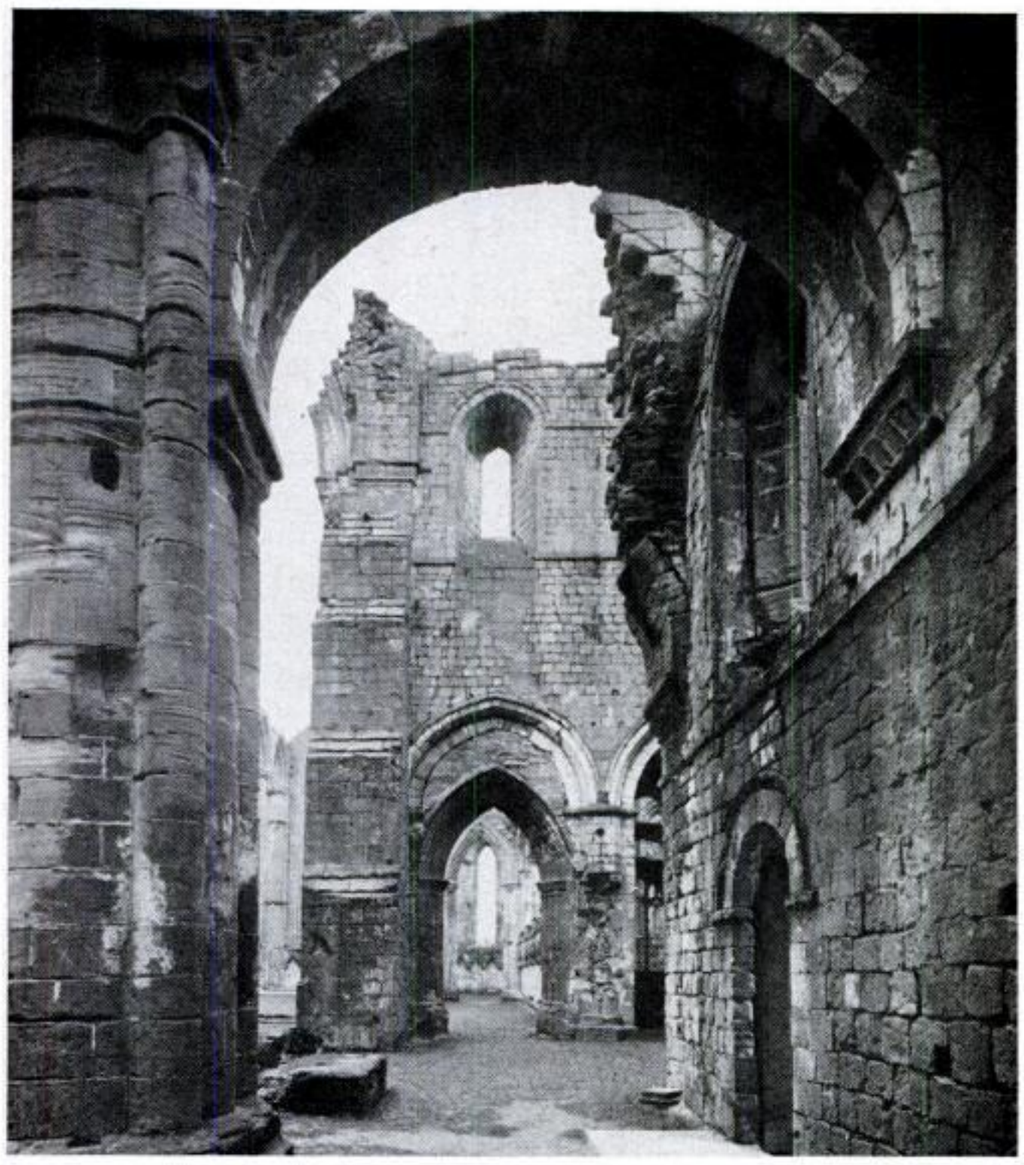
Guys and gals, get higher marks this year!

Turn C's into B's and B's into A's by typing your homework on a 1957 Royal Portable. Encourages neatness, better spelling, clear thinking.

TWIN-PAK, the Quick Change Ribbon... *only on the 1957* ROYAL® *portable*

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MONASTERY of Fountains Abbey in Yorkshire was seized by Henry and sold to nobility. Later owner took stones to build house.

ENGLISH-SPEAKING PEOPLES

CONTINUED

neither the judges nor anyone else, for I am condemned by the law of the land and die willingly." Then she took off her pearl-covered headdress, revealing that her hair had been carefully bound up to avoid impeding the executioner.

"Pray for me," she said, and knelt down while one of the ladies-in-waiting bandaged her eyes. Before there was time to say a Paternoster she bowed her head, murmuring in a low voice, "God have pity on my soul." "God have mercy on my soul," she repeated, as the executioner stepped forward and slowly took his aim. Then the great blade hissed through the air, and with a single stroke his work was done.

As soon as the execution was known Henry appeared in yellow, with a feather in his cap, and ten days later was privately married to Jane Seymour.

THROUGH ALL THE TURMOIL of his personal life, Henry continued his work—both constructive and destructive—on the Reformation of the Church.

HENRY was increasingly short of revenue and church properties offered a tempting prize. He had gone down to the House of Lords in person to recommend a Bill suppressing those smaller monasteries which contained fewer than twelve monks. There were nearly four hundred of them, and the combined rent of their lands amounted to a considerable sum. The religious orders had for some time been in decline, and parents were becoming more and more averse to handing over their sons to the cloisters. Monks turned to the land in search of recruits, and often waived the old social distinctions, taking the sons of poor tenant farmers. But the number of novices was rarely sufficient. At some houses the monks had given up all hope of carrying on, and squandered the endowments, cutting down woods, pawning the plate, and letting the buildings fall into disrepair or ruin. Grave irregularities had been discovered by the ecclesiastical Visitors over many years. The idea of suppression was not new:

CONTINUED



"This is Mary's night to call home"



And Mary calls home—collect—same time, same night every week. In between times, too, when something comes up. That regular call is a wonderful way to keep in touch with son or daughter away at school.

All you have to do is *suggest* the idea. They'll love it. And it costs far less than you'd guess.

LONG DISTANCE RATES ARE LOW

Here are some examples:

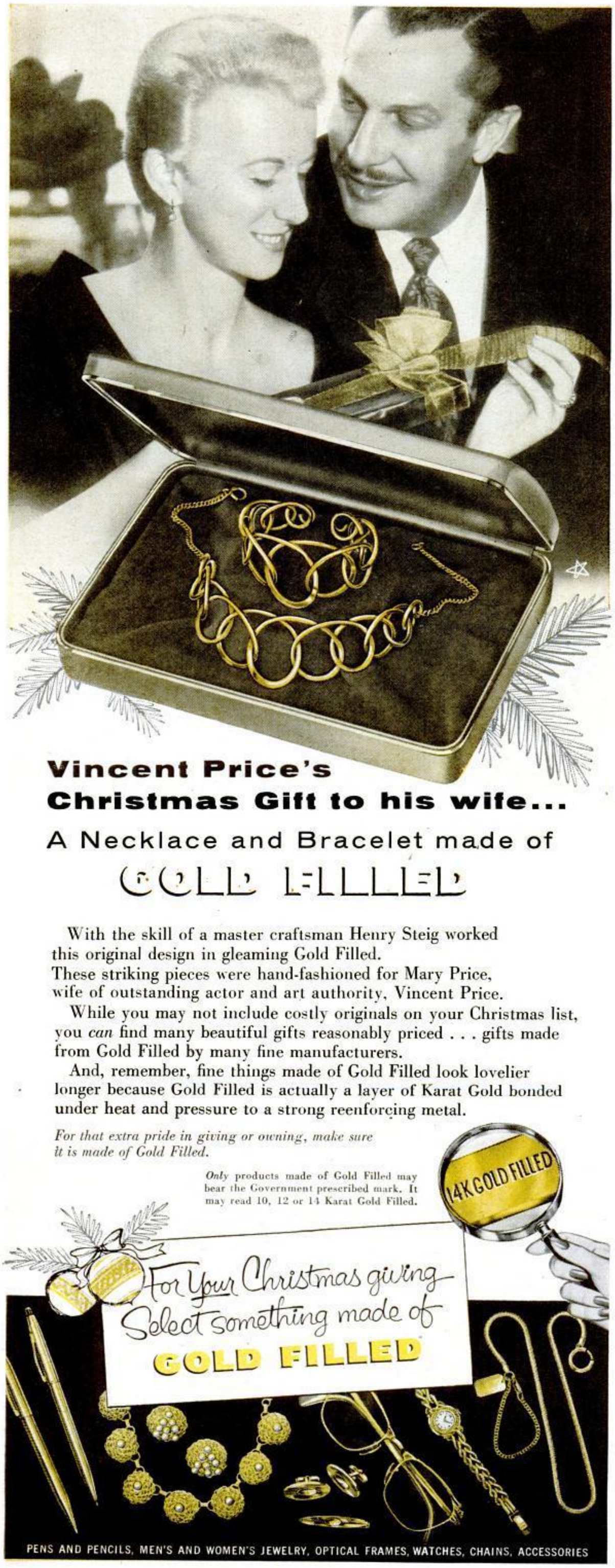
Milwaukee to South Bend, Ind.	50¢
Cincinnati to Ann Arbor, Mich.	65¢
Cleveland to Ithaca, N.Y.	70¢
Los Angeles to Tucson, Ariz.	90¢
Tulsa to Baton Rouge, La.	95¢

These are the Station-to-Station rates for the first three minutes, after 6 o'clock every night and all day Sunday. They do not include the 10% federal excise tax.

Call by Number. It's Twice as Fast.

BELL TELEPHONE SYSTEM

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Wolsey had suppressed several small houses to finance his college at Oxford, and the King had suppressed over twenty more for his own benefit. Parliament made little difficulty about winding up the smaller houses, when satisfied that their inmates were either to be transferred to large houses or pensioned off. During the summer of 1536 royal commissioners toured the country, completing the dissolution as swiftly as possible.

As First Minister, Thomas Cromwell handled the dissolution of the monasteries with conspicuous, cold-blooded efficiency. It was a step which appealed to the well-to-do. The high nobility and country gentry acquired on favorable terms all kinds of fine estates. Sometimes a neighboring merchant, or a syndicate of City men and courtiers, bought or leased the confiscated lands. Many squires had long been stewards of monastic lands, and now bought properties which they had managed for generations.

Throughout the middle classes there was great irritation at the privileges and wealth of the Church. They resented the undue proportion of the national income engrossed by those who rendered no economic service. The King was assured of the support of Parliament and the prosperous classes. Most of the displaced monks, nearly ten thousand in all, faced their lot with relief or fortitude, assisted by substantial pensions. Some even married nuns, and many became respectable parish clergy. The dissolution brought lands into the Crown's possession worth at the time over £100,000 a year, and by the sale or lease of the rest of the former monastic properties the Crown gained a million and a half pounds—a huge sum for those days, though probably much less than the properties were worth. The main result of this transaction was in effect, if not in intention, to commit the landed and mercantile classes to the Reformation settlements and the Tudor dynasty.

In the field of religious belief the Reformation brought profound change. The Bible now acquired a new and far-reaching authority. The older generation considered that Holy Writ was dangerous in the hands of the unlearned and should only be read by priests. "I never read the Scripture," said the Duke of Norfolk, "nor never will read it. It was merry England afore the new learning came up: yea, I would all things were as hath been in time past." But complete printed Bibles, translated into English by Tyndale and Coverdale, had appeared for the first time late in the autumn of 1535, and were now running through several editions. The Government enjoined the clergy to encourage Bible-reading, and there were well-founded rumors that Thomas Cromwell, the King's vicegerent in spiritual affairs, had helped to promote the translation. Preaching, even by licensed preachers, was altogether suspended until Michaelmas, except in the presence of a bishop, and in August 1536 Cromwell ordered the Paternoster and Commandments to be taught in the mother tongue instead of in Latin.

As a further blow to the old school the Government commissioned in Paris a great printing of English Bibles, more sumptuous than any previous edition, and in September 1538 directed that every parish in the country should purchase a Bible of the largest volume in English, to be set up in each church, where the parishioners might most commodiously resort to the same and read it. Six copies were set up in St. Paul's in the City of London, and multitudes thronged the cathedral all day to read them, especially, we are told, when they could get any person that had an audible voice to read aloud. This Bible has remained the basis of all later editions, including the Authorized Version prepared in the reign of James I.

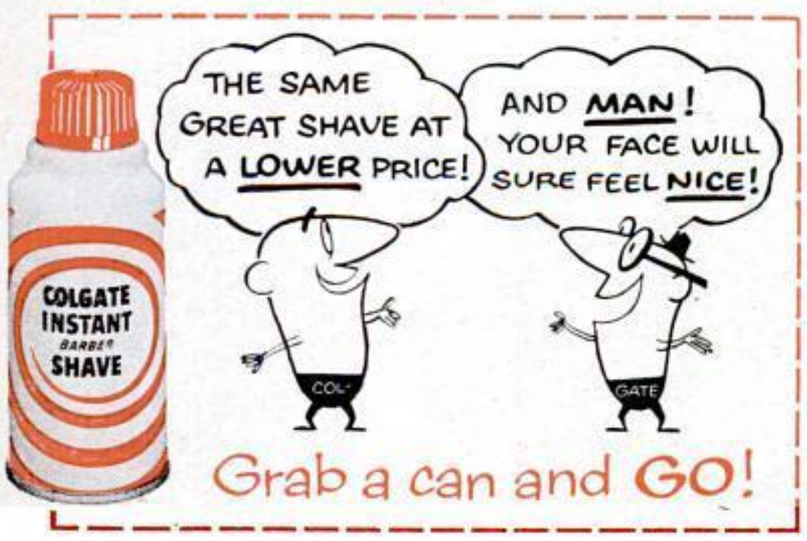
HENRY'S MARRIAGE to Jane Seymour was a brief one, but not for the usual reason. She escaped the customary fate of Henry's wives by dying just after giving birth to the future Edward VI. Henry's fourth wife, Anne of Cleves, could thank her plainness ("the Flanders mare," he dubbed her) for the banishment from court that briskly ended their never-consummated alliance. When he was 49 and already declining in health, he took as his fifth wife Catherine Howard, niece of the Duke of Norfolk.

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BIBLE READING was encouraged by Henry, who directed that every parish purchase an English Bible and make it accessible to all.

ENGLISH-SPEAKING PEOPLES CONTINUED

CATHERINE, about twenty-two, with auburn hair and hazel eyes, was the prettiest of Henry's wives. His Majesty's spirits revived, his health returned, and he went down to Windsor to reduce weight. "The King," reported the French Ambassador in December, "has taken a new rule of living, to rise between five and six, hear Mass at seven, and then ride till dinnertime, which is at ten in the morning. He says that he feels much better in the country than when he lived all winter in houses at the gates of London."

But wild, tempestuous Catherine was not long content with a husband nearly thirty years older than herself. Her reckless love for her cousin, Thomas Culpeper, was discovered, and she was executed in the Tower in February 1542 on the same spot as Anne Boleyn. The night before the execution she asked for the block so that she could practice laying her head upon it, and as she mounted the scaffold said, "I die a Queen, but would rather die the wife of Culpeper. God have mercy on my soul. Good people, I beg you to pray for me."

Henry's sixth wife, Catherine Parr, was a serious little widow from the Lake District, thirty-one years of age, learned, and interested in theological questions, who had had two husbands before the King. She married Henry at Hampton Court on July 12, 1543, and until his death three years later made him an admirable wife, nursing his ulcerated leg, which grew steadily worse and in the end killed him.

THE GAY, POPULAR PRINCE had become, after more than a quarter century's rule, a harsh, ugly-tempered monarch of 55, suffering with equal impatience the pain of his ulcerated leg and advisers who questioned his whims.

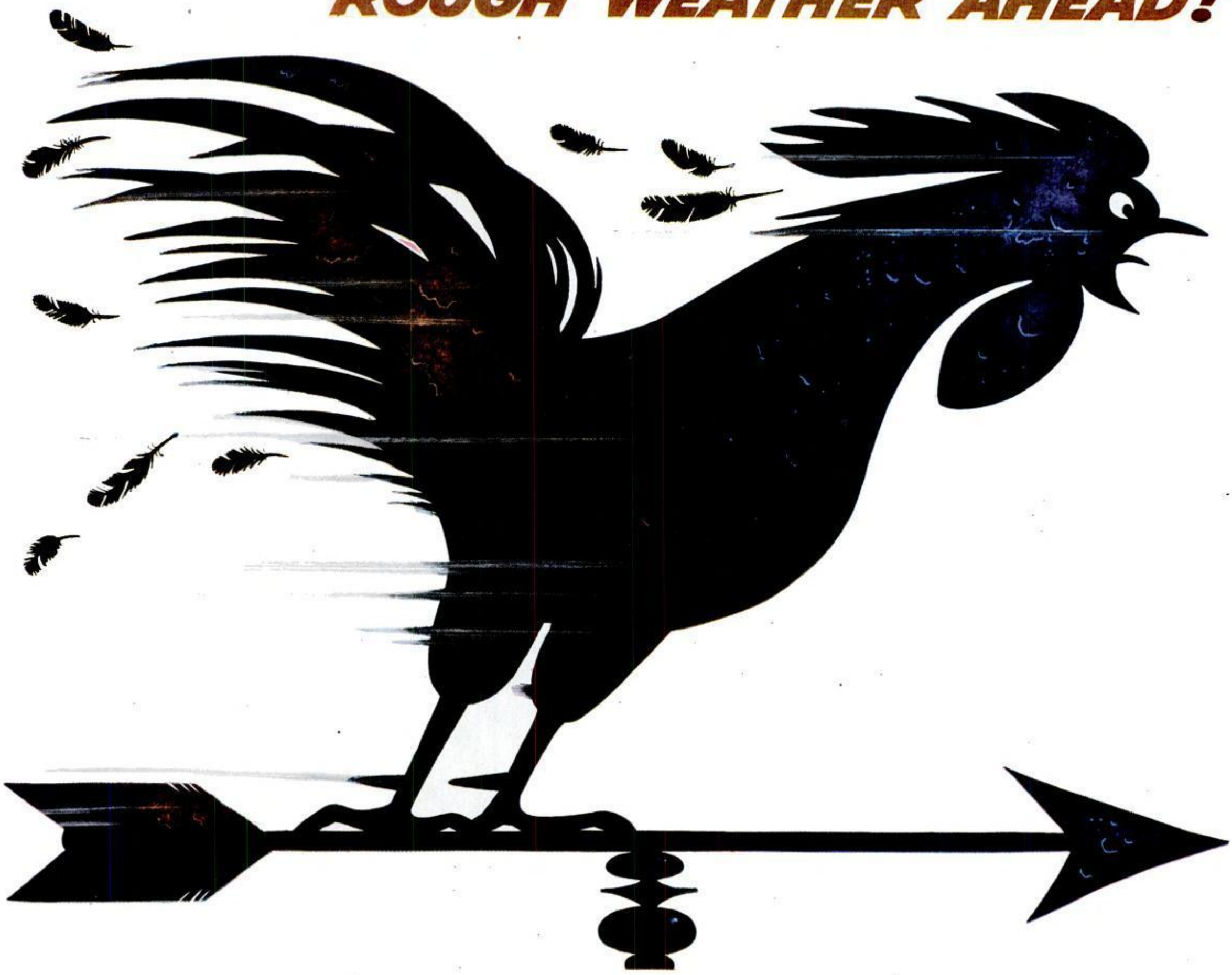
IN the evening of January 27 the King was dying. The physicians dared not tell him so, for prophesying the King's death was treason by Act of Parliament. Then, as the long hours slowly passed, Sir Anthony Denny, "boldly coming to the King, told him what case he was in, to man's judgment not like to live; and therefore exhorted him to prepare himself for death." The King took the grim news with fortitude. Urged to summon the Archbishop, he replied that first he would "take a little sleep; and then, as I feel myself, I will advise upon the matter." Shortly before midnight the King awoke. He sent for the Archbishop. When he came Henry was too weak to speak; he could only stretch out his hand to Cranmer. In a few minutes the supreme head had ceased to breathe.

Henry's rule saw many advances in the growth and the character of the English state, but it is a hideous blot upon his record

CONTINUED

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that the reign should be widely remembered for its executions. Two Queens, two of the King's chief Ministers, a saintly bishop, numerous abbots, monks, and many ordinary folk who dared to resist the royal will were done to death. Roman Catholic and Calvinist alike were burnt for heresy and religious treason. These persecutions, inflicted in solemn manner by officers of the law, perhaps in the presence of the Council or even the King himself, form a brutal sequel to the bright promise of the Renaissance. The sufferings of devout men and women among the fagots, the use of torture, and the savage penalties imposed for even paltry crimes, stand in repellent contrast to the enlightened principles of humanism. Yet his subjects did not turn from Henry in loathing. He succeeded in maintaining order amid the turmoil of Europe without army or police, and he imposed on England a discipline which was not attained elsewhere. A century of religious wars went by without Englishmen taking up arms to fight their fellow-countrymen for their faith. We must credit Henry's reign with laying the basis of sea-power, with a revival of Parliamentary institutions, with giving the English Bible to the people, and above all with strengthening a popular monarchy under which succeeding generations worked together for the greatness of England while France and Germany were racked with strife.

A BITTER REIGN

IN HIS LAST YEARS Henry had changed his mind about the succession and ruled that his son Edward should be followed not by Anne Boleyn's daughter Elizabeth but by the first Catherine's Catholic daughter Mary. Edward VI was only 9 years old when he became king. During his seven sickly years on the throne, powerful advisers zealously fostered the cause of Protestantism. Then with Edward's death in 1553, the pendulum swung back, bringing to the throne the woman known to later ages as "Bloody Mary."

THE woman who now became Queen was probably the most unhappy and unsuccessful of England's sovereigns. Mary Tudor, the only surviving child of Catherine of Aragon and Henry VIII, had been brought up in the early years of her father's reign with all the ceremony due to the heiress to the throne. She had been betrothed at different times to the heirs both of France and the Empire. As with her mother, religion dominated her being, and Catherine's divorce and the break with Rome brought tragic and catastrophic change. Mary had been declared illegitimate by Act of Parliament; she was pressed to forsake her religion, and endured bitter conflicts between her duty to her father and her conscience. Her half-sister and half-brother overshadowed her at Court. She had clung to her confessors and her chapel throughout the reign of Edward VI and was naturally feared by the ruling group of Protestant politicians in London.

We are assured that, except in matters of religion, Mary was by nature merciful. She certainly accepted the allegiance of the counselors who came meekly to her. The most adroit among them, William Cecil, was to keep close to Government circles throughout her reign, and great was to be his future under her successor.

Secure upon the throne, Mary proceeded to realize the wish of her life—the restoration of the Roman communion. In Stephen Gardiner, Bishop of Winchester, she found an able and ardent servant. The religious legislation of the Reformation Parliament was repealed. But one thing Mary could not do. She could not restore to the Church the lands parceled out among the nobility. The Tudor magnates were willing to go to Mass, but not to lose their new property.

Even so, there was trouble. Mary never realized that the common people, particularly in London, coupled Catholicism with foreign influence. They had indeed been taught to do so under Henry VIII, but the feeling was older than that. The English Bible and the English Prayer Book were in their hands, and there was a wide, if superficial, attachment to the Reformed Faith. Protestant leaders fled to Geneva and the German Rhineland towns.

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PHILIP AND MARY and lap dogs were painted by Flemish Artist Hans Eworth. Mary's marriage to Philip was unpopular with English.

ENGLISH-SPEAKING PEOPLES CONTINUED

There was rioting in the capital. Gardiner's life was threatened. He wore a mail shirt throughout the day and was guarded by a hundred men at night. A dead dog was flung through the window of the Queen's chamber, a halter round its neck, its ears cropped, and bearing a label saying that all the priests of England should be hanged.

The most urgent question was whom Mary should marry. The Commons supported an English candidate, Edward Courtenay, Earl of Devon, a descendant of the House of York. But Mary's eyes were fixed overseas. Renard, envoy of the Emperor Charles V, worked fast, and she promised to wed the Emperor's son, the future Philip II of Spain. News of the Spanish betrothal filtered through the Court and reached the people. Ugly stories of the Inquisition and the coming of Spanish troops passed from mouth to mouth. The Commons came in deputation to beg the Queen not to violate the feelings of the nation. But Mary had all the obstinacy of the Tudors and none of their political sense. She was now on the threshold of her dreams—a Catholic England united in intimate alliance with the Catholic Empire of the Habsburgs.

As summer came Philip sailed northwards across the seas. Mary journeyed to Winchester to greet her bridegroom. With all the pomp of sixteenth-century royalty the marriage was solemnized in July 1554 according to the rites of the Catholic Church. Gardiner was now dead; but a successor was found in the English cardinal Reginald Pole. He was a zealous and austere Catholic, and now came to take his place in the intimate counsels of the Queen and enforce the conversion of the whole land.

Mary has been forever odious in the minds of a Protestant nation as the Bloody Queen who martyred her noblest subjects. Generations of Englishmen in childhood learnt the somber tale of their sacrifice from Foxe's *Book of Martyrs*, with its gruesome illustrations. These stories have become part of the common memory of the people—the famous scenes at Oxford in 1555, the fagots which consumed the Protestant bishops, Latimer and Ridley, the pitiful recantation and final heroic end in March 1556 of the frail, aged Archbishop, Cranmer. Their martyrdom rallied to the Protestant faith many who till now had shown indifference.

These martyrs saw in vision that their deaths were not in vain, and, standing at the stake, pronounced immortal words: "Be of good comfort, Master Ridley," Latimer cried at the crackling of the flames. "Play the man. We shall this day light such a candle,

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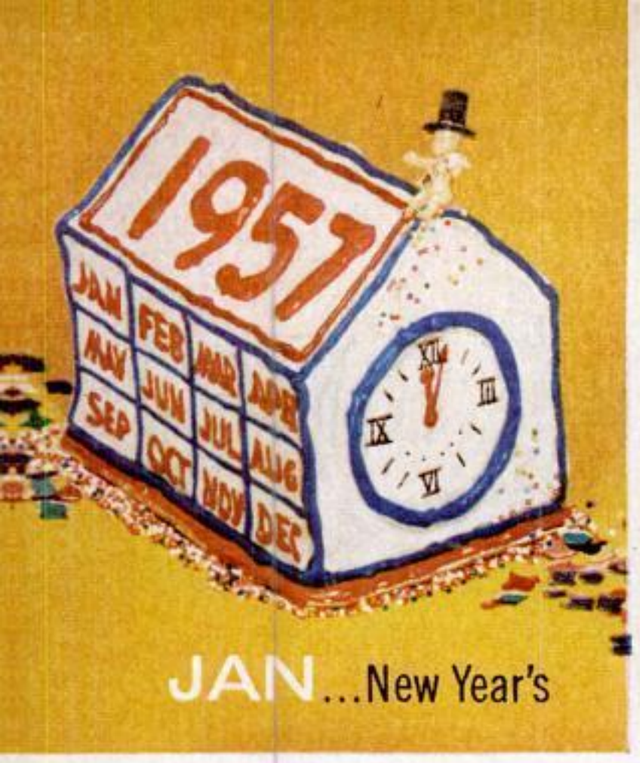
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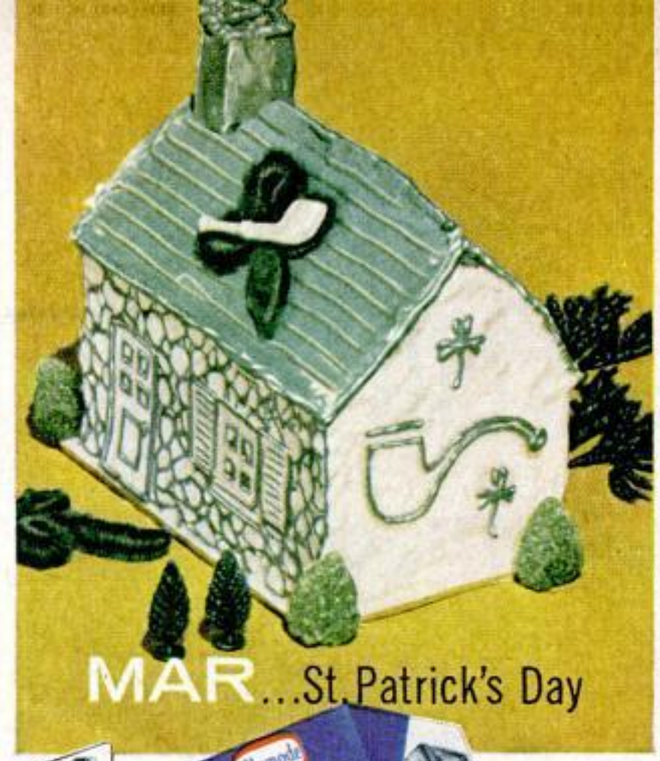
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FEB...St. Valentine's Day



MAR...St. Patrick's Day



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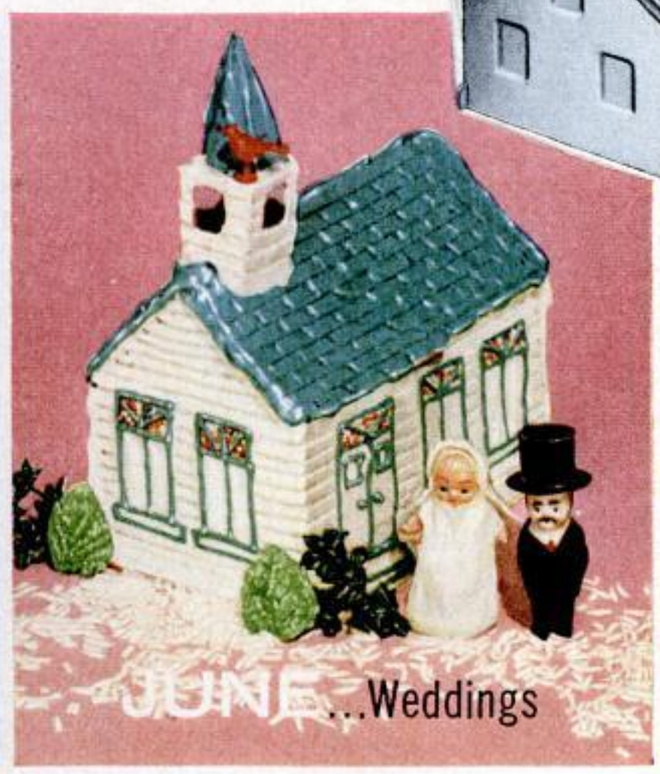
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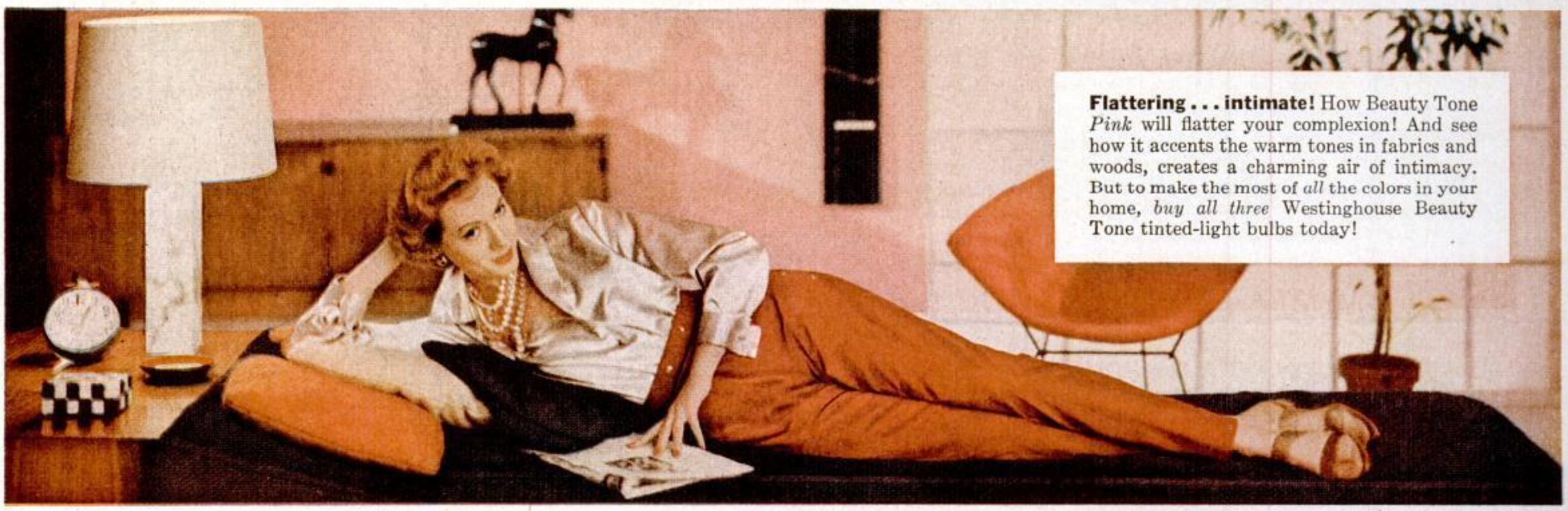
make colors wake up and sing!



Welcoming and gay! Warm friendliness surrounds the room you light with Westinghouse Beauty Tone *Candlelight*. Your tables and panelling take on a richer golden glow. For festive occasions, Beauty Tone Candlelight yellow Bulbs make it *feel* like a party!



Cool, gracious spaciousness! Rooms take on an airy new dimension when you light them with Westinghouse Beauty Tone *Aqua* Bulbs. Confining colors are subdued. You feel your space has opened up—almost as if you were bringing in "all outdoors"!



Flattering . . . intimate! How Beauty Tone *Pink* will flatter your complexion! And see how it accents the warm tones in fabrics and woods, creates a charming air of intimacy. But to make the most of *all* the colors in your home, *buy all three* Westinghouse Beauty Tone tinted-light bulbs today!

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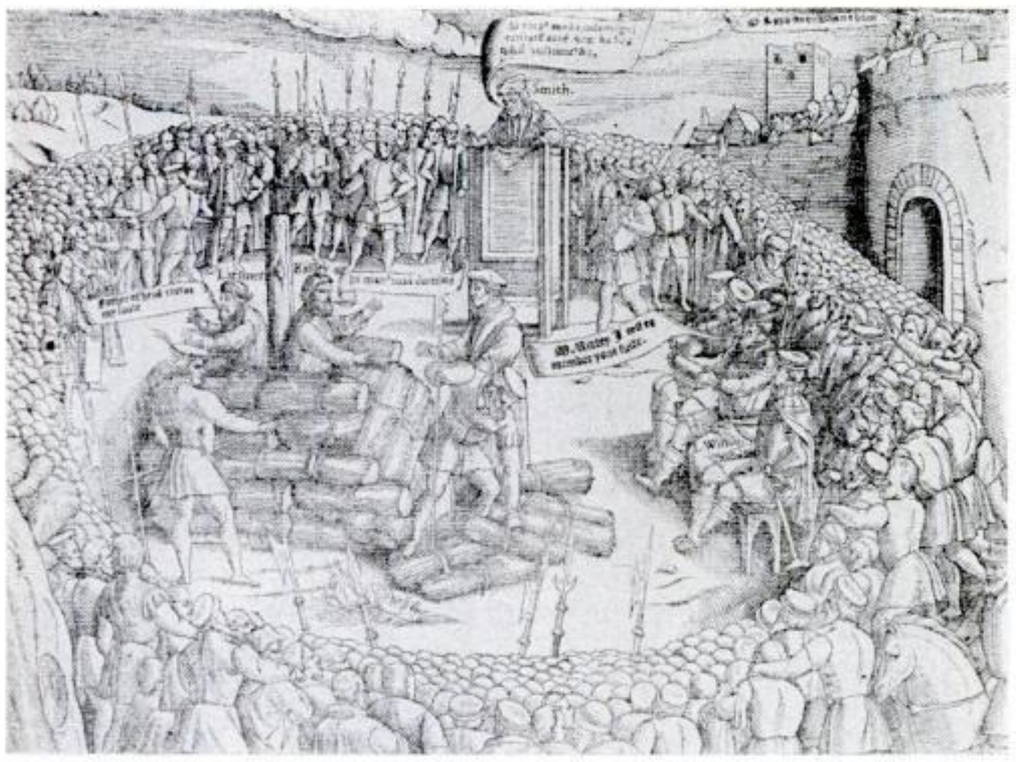


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PROTESTANT VICTIMS of Mary's fanaticism, Bishops Latimer and Ridley, are shown in woodcut from Foxe's *Book of Martyrs* being burned at Oxford in 1555. As witnesses watch, they commend themselves to God while Archbishop Cranmer (*on tower, right*) prays.

by God's grace, in England as I trust shall never be put out."

In vain the Queen strove to join English interests to those of the Spanish state. She had married to make England safe for Catholicism, and she had sacrificed what little personal happiness she could hope for to this dream. As the wife of the King of Spain, against the interests of her kingdom, and against the advice of prudent counselors, among them Cardinal Pole, she allowed herself to be dragged into war with France, and Calais, the last possession of the English upon the Continent, fell without resistance. This national disgrace, this loss of the symbol of the power and glory of medieval England, bit deep into the hearts of the people and into the conscience of the Queen. Hope of a child to secure the Catholic succession was unfulfilled. Her unhappiness was hardly redeemed by one vision of accomplishment. Yet, unchronicled and without praise, her reign witnessed one modest achievement, which has rarely received the attention of historians. Mary's ministers, during her brief reign, embarked upon a major task of retrenchment and reform; by the time of her death, they had gone far to purge the government of corrupt extravagance.

Philip retired to the Netherlands and then to Spain, aloof and disappointed at the barrenness of the whole political scheme. Surrounded by disloyalty and discontent, Mary's health gave way. In November 1558 she died, and a few hours later, in Lambeth Palace, her coadjutor, Cardinal Pole, followed her. The tragic interlude of her reign was over. It had sealed the conversion of the English people to the Reformed Faith.

IN NEXT WEEK'S ISSUE:
THE DAYS OF GLORY UNDER GOOD QUEEN BESS

In the second instalment of "A History of the English-Speaking Peoples" Sir Winston describes:

- The illustrious queen who was "one day greater than man, and the next less than woman"
- The "splendid dignity" with which Mary Queen of Scots met her death
- The Armada's galleons and how the English ships "plucked their feathers by little and little"

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FIRST CHOICE FOR FLAVOR

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Join them. If you know and love good coffee, New Instant Chase & Sanborn is for *you!*

SATISFIES THE MOST CRITICAL COFFEE DRINKER



"EVEN HENRY LIKES IT," *says Mrs. Henry L. Brown, Great Notch, N. J.* "To have this husband of mine o.k. my coffee is a minor miracle. I served him your New Instant Chase & Sanborn and he loved it! It's certainly got flavor to spare."



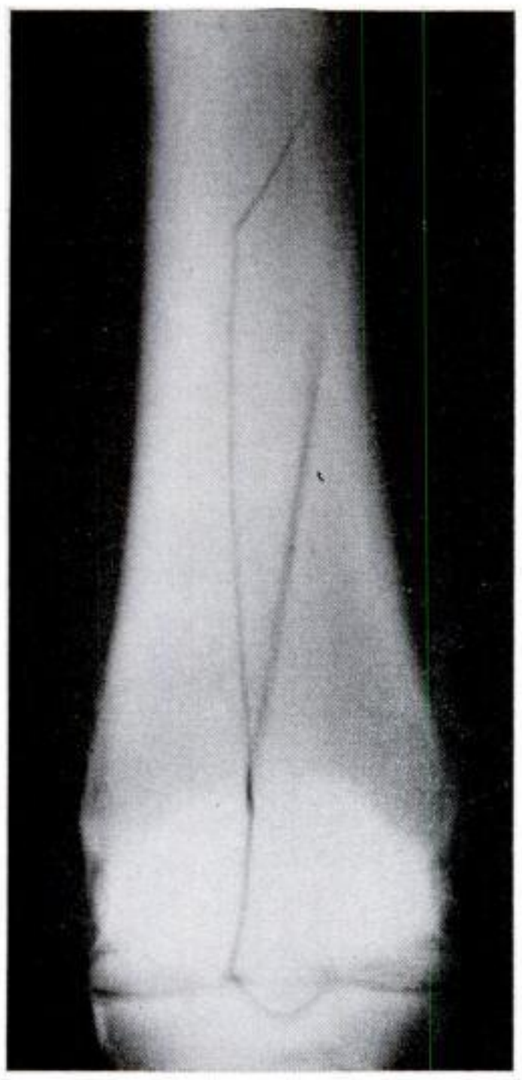
"FRANKLY, I HAD MY FINGERS CROSSED," *says Mrs. William Baker, Highland Park, Illinois.* "My husband likes his coffee good and hearty. New Instant Chase & Sanborn surprised him with its rich flavor. It's our idea of *good* coffee."



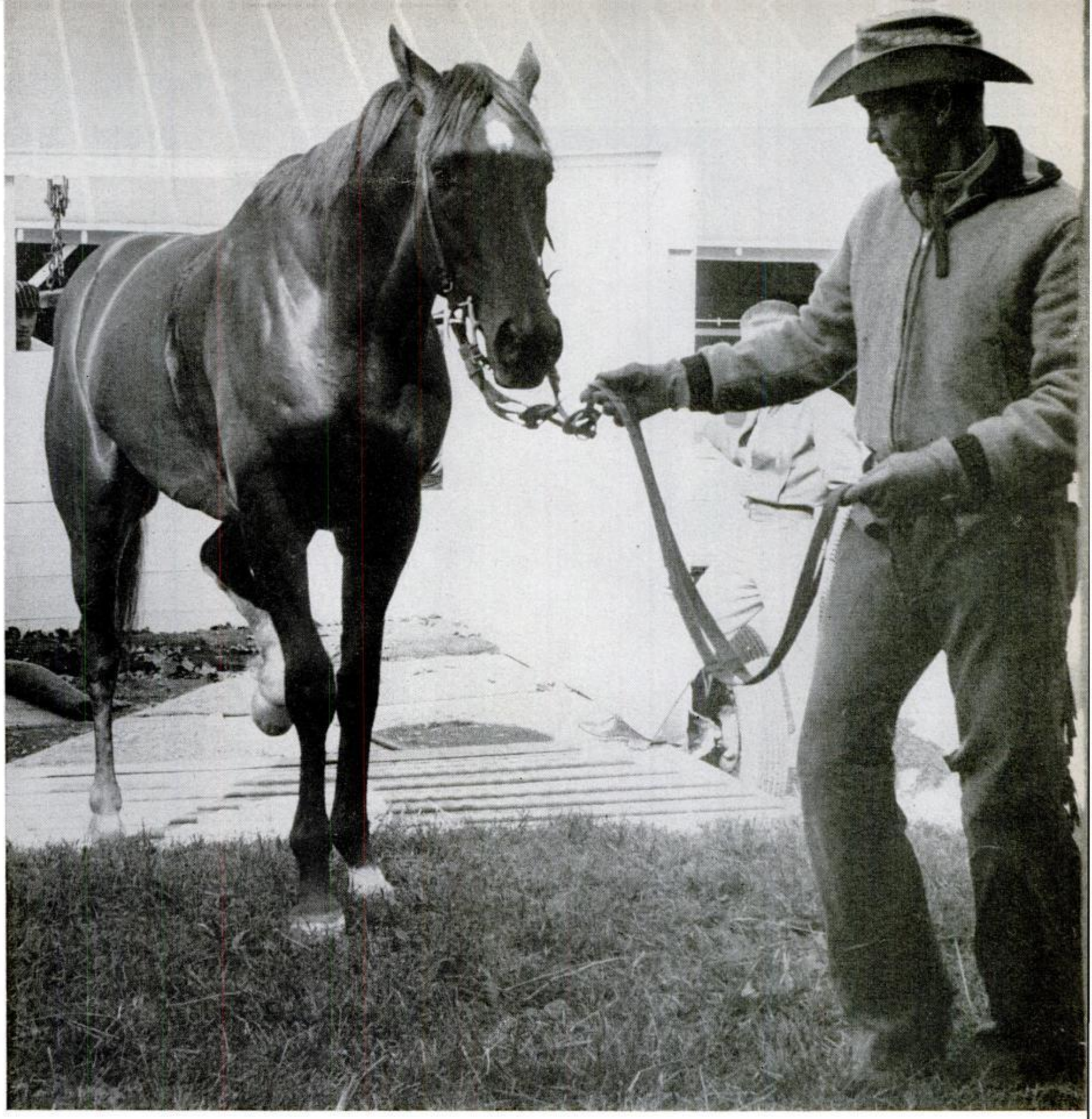
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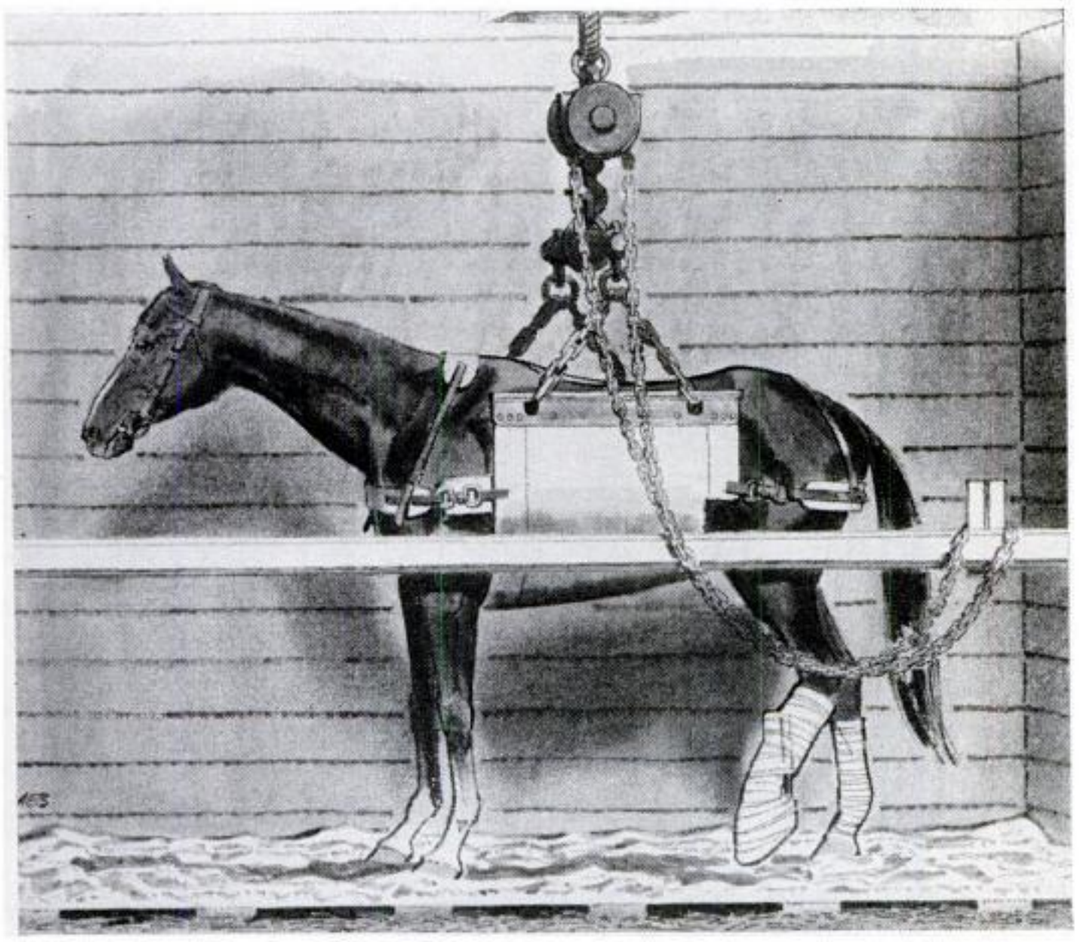


FRACTURE of Swaps's left hind leg shows in X-ray (*above*), beginning just under the hock and extending downward to the ankle joint. Because it is difficult to immobilize highly strung thoroughbreds for six-week healing period, all but the most valuable of horses are destroyed after such a break. If he survives, Swaps may never race again.



TROUBLE BEGAN when horse suffered minor fracture during workout. At right, holding broken and sore hind leg off ground, Swaps is led from horse ambulance by his troubled trainer, Meshach Tenney, at Garden State track.

A REAL THOROUGHBRED TRIES TO PULL THROUGH



SPECIAL SLING, such as is used for Swaps, keeps the horse from moving or lying down, can be raised or lowered by chain pulley. Between canvas and horse's belly is two inches of foam rubber. Sand is kept on board flooring to cushion cast when horse paws. In drawing, horse is not intended to be a likeness of Swaps.

One night last week the switchboard at Garden State Park, N.J. was swamped by tearful calls, some from as far away as California. News had gone out that the great Swaps was about to be killed. Next day in the horse's stall a man keeping a 24-hour-a-day vigil roused himself after falling asleep sitting up. "It beats me how those wild stories got started," explained Meshach Tenney, Swaps's trainer and nurse.

Three days before, Tenney had briefly left Swaps, who had suffered a minor fracture in a hind leg, to attend to other chores. While he was away Swaps kicked the side of the stall with his bad leg. The impact extended the fracture all the way from hock to fetlock. Tenney then took up his vigil, both eating and sleeping in Swaps's stall. Teams of veterinarians, one doctor representing Lloyds of London which had issued a $1 million policy on Swaps's life, came and went. The great horse, a new cast on his leg, was immobilized at one end of the stall in a contraption (*left*) borrowed from the stable of his archrival, Nashua. Tenney barred all photographers from the stall. "I don't ever want to see any photograph of him in this condition," he said.

Doctors rated Swaps's chances of survival at little better than 50-50, but Tenney's vigilant care bettered these odds considerably. As the horse strained forward in his sling and pawed away the sand under his aching leg, Tenney kept painstakingly busy shoveling sand back and talking. "Now don't go knocking that leg," he said and the horse relaxed. When Swaps strained in the sling, Tenney picked up his monologue, "Whoa, son . . . now let up on that stuff . . . let it rest." The horse calmed down. Doctors kept taking his temperature and pulse and when he got too uncomfortable they shot horse aspirin the size of half dollars down his throat. "He'll be giving Nashua competition at stud," predicted Tenney, as that great horse ended his racing career last week (*next page*).

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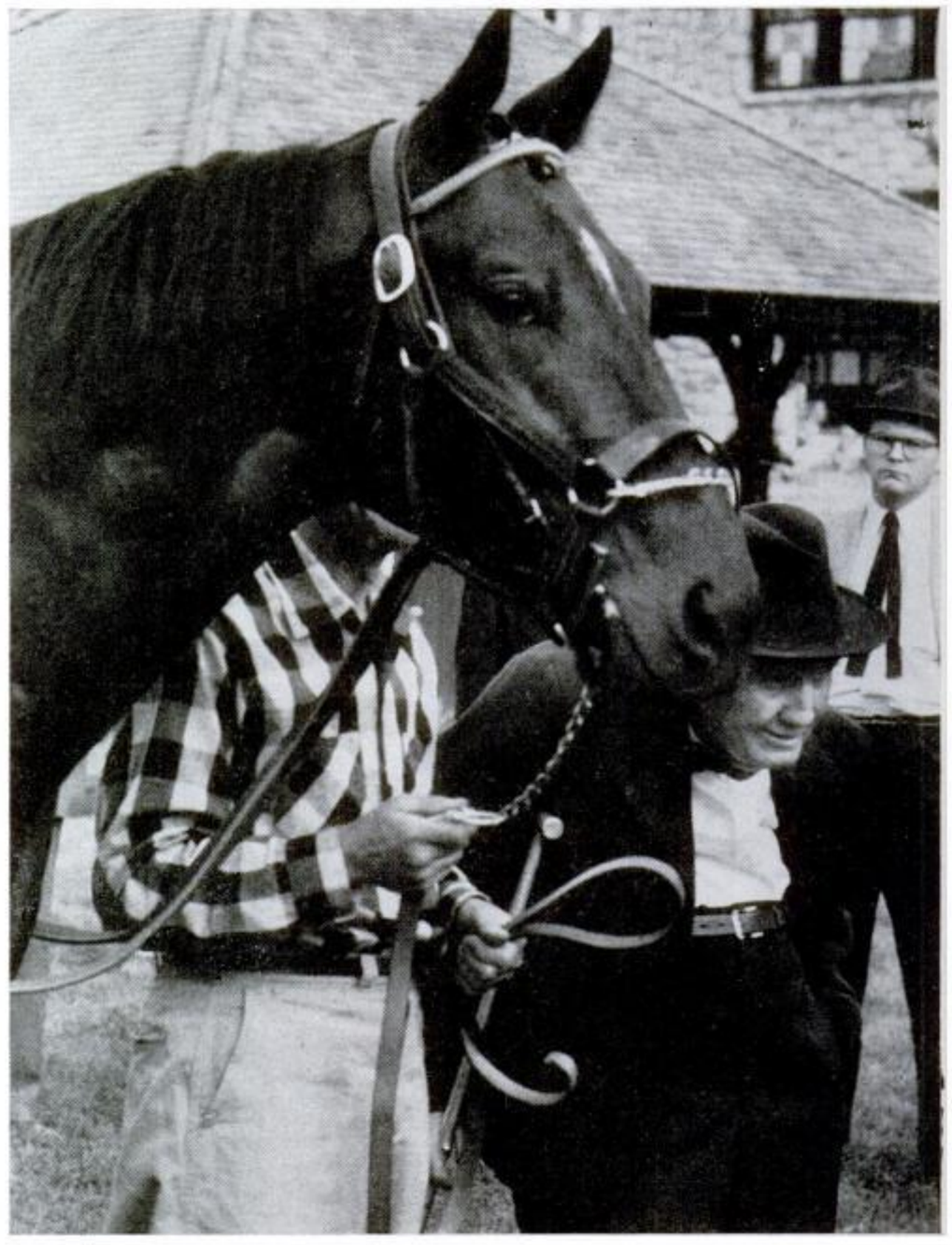
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not on all shoes . . . just the best ones

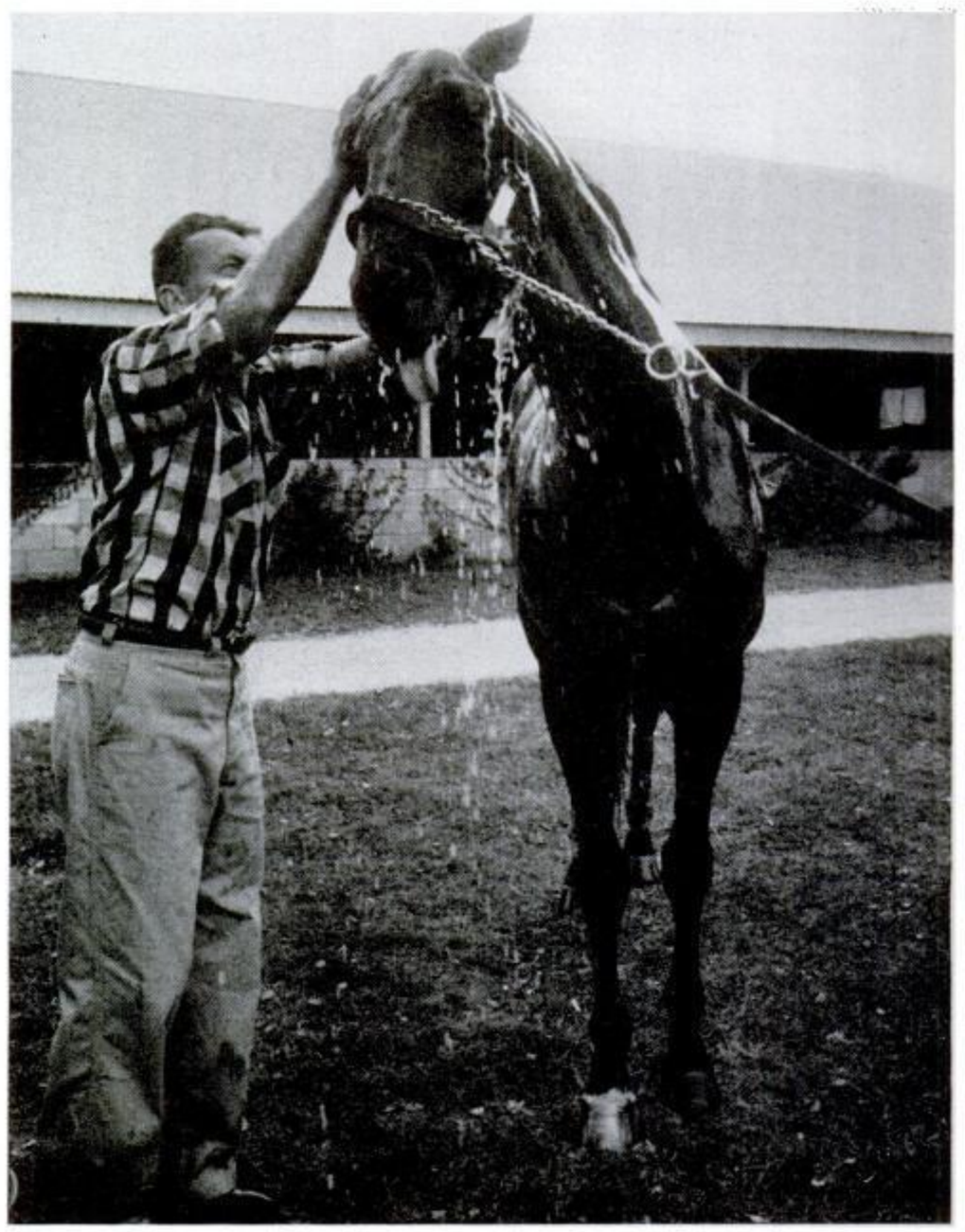
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For forty-six years specialists in fine sole materials

Makers of the famous **AVON DU-FLEX, CUSH-N-CREPE** *and* **DU-FLEX AVONITE SOLES**

RIVAL NASHUA QUITS RACING



NASHUA'S LAST APPEARANCE at a track was made at Keeneland, Ky. where he galloped between races. Here Trainer Jim Fitzsimmons walks beside him from paddock. Swaps and Nashua met in two races, each winning one.



ENJOYING SPONGE BATH after his job, Nashua frisks as Groom Al Robertson washes him off. At 4, Nashua, winner of a record $1,288,565, still had a few years of racing ahead but his owners decided to retire him to stud.

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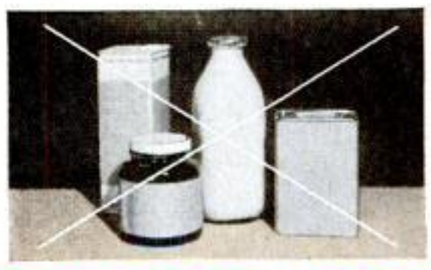
New milk discovery! Just add water for delicious Chocolate Drink!



Dissolves instantly! Economical– saves your regular milk supply!

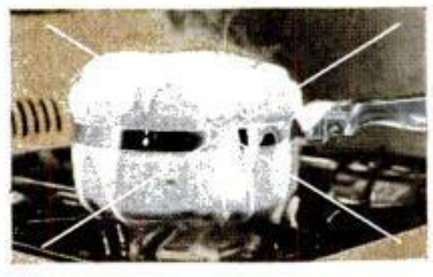
New magic trick for party days and *every* day! *Just add water* to the "Magic Crystals" in new Carnation Instant– and you get the most luscious-rich Chocolate Drink ever! Instantly good, instantly ready. Fortified with extra vitamins, it's even more nourishing than fresh Chocolate Drink from your dairy. And you need make only as much as the moment calls for. No more spoilage, no more extra bottles crowding your refrigerator. No more chocolate flavorings you have to mix with milk. Now with new Carnation Instant, everything's in one package–the most fun-giving package in your whole kitchen!

No extra flavorings to buy! No extra bottles to store!



ALL THE NUTRITION OF FRESH CHOCOLATE DRINK! Plus extra units of Vitamins B_1, B_2, D and Iron–all in Carnation's exclusive "Magic Crystals." And it is magic how they dissolve instantly, even in ice-cold water. Now for rich Chocolate Drink, you just buy one–new Carnation Instant!

DELICIOUS HOT, TOO–NO BOIL-OVERS!



NO MORE STICKY PANS, no "cocoa-paste" to make, no "skin"! Just add piping hot water to Carnation Instant. Ready instantly, and you'll love the hearty hot-chocolate goodness of it. Plop in a marshmallow, or put a cookie on the saucer. Oh boy, the party's on –and nothing to wash but the cup!

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"The thing to do with life



Westward or Eastward—Hawaii, the paradise of the Pacific, is on Pan American's skyway to adventure 'round the world.



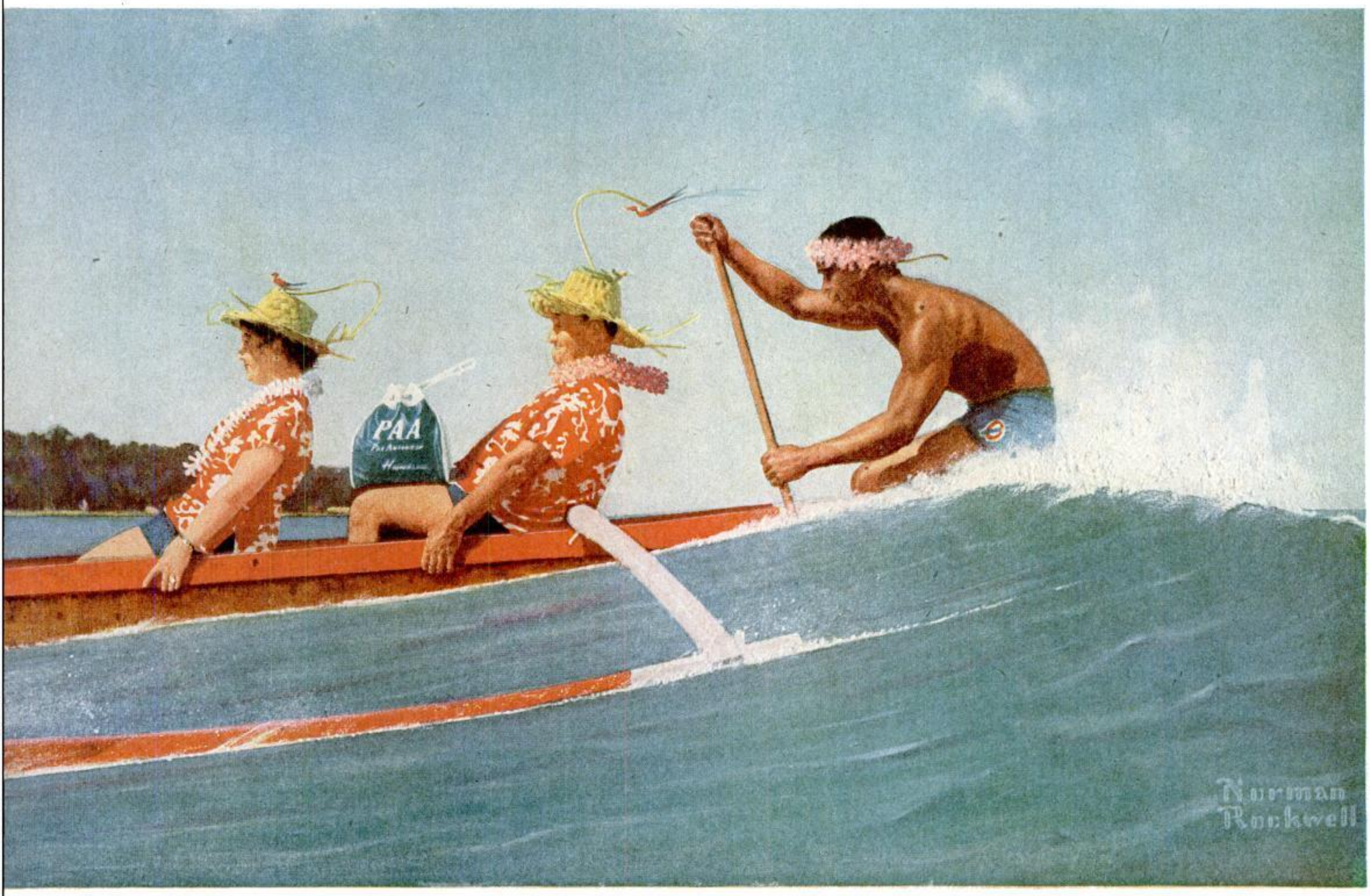
Half the fun of eating native dishes is not using a knife and fork. In Japan, you'll use *hashi*.



Temple of the Emerald Buddha in Bangkok is a surviving testament to a half-forgotten kingdom.

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is Live it !"



And one of the nicest ways to Live it

begins with a call to Pan Am. Then leave home for anywhere

—over 600 offices to smooth your way all over the world.

Join the Pan American parade down the main street of the world. One wonderful experience follows on the heels of another.

See the frolicking tumble of the Hawaiian surf. The moment of wonder as Fujiyama rises from a silver mist. Smell the exotic scents of hibiscus, frangipani and spice shops of the faraway Pacific islands. Watch the Middle East step out of storybooks. Hear the hurdy-gurdy tinkling Neapolitan folk songs. Stand before the haunting Colosseum, near the spot where Mark Antony once spoke. Soon Paris will be flirting boldly with your heart.

All the world's ready to greet you. Now you're really living life—and loving it!

What are you waiting for? Why not meet the world halfway? Get your Travel Agent or Pan American on the telephone right now. Start planning your next vacation on Pan American—the *only* airline that can fly you all the way 'round the world and to most places in between.

WORLD'S MOST EXPERIENCED AIRLINE

PAN AMERICAN



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Now—like wearing "Magic Gloves"—Golden Touch Typing

Never before such Golden Ease, such speed, such print-perfect results...

Now, The Golden Age of Golden Touch! Suddenly (as if you'd put on "magic" gloves), your hands have exciting new precision with glorious, new typing ease. The new Underwood Golden Touch Electric sharpens your skill; saves your strength and precious time as no other kind of typewriter can. And for "Him". . . truly print-perfect letters, with carbon-after-carbon-after-carbon print-perfect, too.

new... underwood Golden Touch

Keyboard Margin-Setting ends wasteful hand-travel!
Multi-Carbon Dial gets you set for up to 20 clear copies
Electric Ribbon Re-Wind ends messy ribbon-change!
Cushioned Power for wonderful new, day-long quiet!
Automatic Carriage-Return ends tiresome carriage-fling!
Half-Moon Keys perfect protection against chipped nails!
Personalized Type Styles for distinguished letters

P. S. Call your Underwood office today. See the Golden Touch Electrics in 5 smart new colors.

underwood ... the only electric typewriter with Golden Touch

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IN the Brennan backyard the Justice consoles daughter Nancy, who will leave her hitherto inseparable playmate, Rusty Young.

"Now you go over to Rusty's house for supper but don't stay too late because bright and early tomorrow morning, around 7, we're starting off for Washington."



A Fine Judge Ready for His Biggest Job



BRENNAN discusses his favorite topic and America's knottiest judicial problem—overcrowded, lagging court calendars.

"What we need, and where we have succeeded in New Jersey, is fewer cases brought to trial, and those quickly. Delayed justice is bad justice, for time has a way of blurring memories and killing witnesses."

JUSTICE BRENNAN was winding up his affairs in Rumson, N. J., attending his young daughter as she said her last goodbys and recalling the momentous morning a few weeks ago when he went down to Washington to meet the Attorney General of the U.S.: "When I was called I assumed it had something to do with the part I'd been playing in judicial reform. I have to admit that the possibility crossed my mind about the Supreme Court vacancy but it seemed so fantastic I dismissed the idea at once. Mr. Brownell came to the station to meet me and on the way to his house for breakfast told me the President was considering me to fill the Supreme Court vacancy. I'm afraid I couldn't say anything intelligible—I just sat there, stunned to my bones. Later I was escorted into the President's office. I thought there'd be other people, but suddenly I found I was alone in the room with him, not a soul but me and the President. It was something!"

Almost everybody in the country was as surprised as William Joseph Brennan Jr. at his appointment as Associate Justice of the Supreme Court. He was not a nationally known jurist and he was totally unknown as a political figure. In fact he was not a politician at all—and not even a Republican. He was a lifelong, city-bred Democrat, a genial, outgoing, even garrulous man, much more like a successful toastmaster than a

CONTINUED

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sobersided jurist. His appointment, however, did satisfy the traditional political requirement of having a Catholic on the court. At 50, Justice Brennan is the Supreme Court's youngest member and he brings to the Court one of the keenest, quickest judicial minds in the country. The opinions he has delivered in his seven years on the New Jersey bench are clear, forceful and middle-of-the-road. Under the tutelage of his warm admirer, venerable Chief Justice Arthur Vanderbilt, under whom he served on the New Jersey Supreme Court, Brennan has been America's hardest-working crusader for speedier trial procedure, having helped institute a pre-trial conference system that reduced his state's huge backlog of court cases to the point where it is now a national model.

Newspapers, scurrying to dig up facts about the new jurist, discovered that his father had been an Irish immigrant and labor leader and presented the judge as a rags-to-riches success. "A lot of baloney," says Mr. Justice Brennan. "I'm no Horatio Alger. My father paid all my expenses till he died, then I was lucky enough to get a scholarship to finish Harvard Law. I once made change on the Broad Street trolley in Newark for $6 a week but that was to keep me in custom-made clothes. Getting married put an end to that sort of thing—this suit I have on I bought off the rack." The marriage, to Marjorie Leonard of Orange, N.J., took place 28 years ago, the year Bill Brennan entered law school. Besides Nancy, the Brennans have two boys, Bill III, 23, and Hugh, 20. Aside from omnivorous reading and bad golf, Justice Brennan himself admits to no particular hobbies: "I won't be so corny as to say my work is my hobby. My work is my work, and I love every minute of it."







IN Rumson (*left*), Brennan gives William Boardman Leonard III, board of education president, some family news.

"So long, Ben, we're shoving off in the morning. Hugh and his wife are going to live in the house till we find a buyer. They're going to make us grandparents in February, by the way."

A FAREWELL present for Nancy is passed through car window (*above*) by Skippy King. The judge squeezes it (*right*).

"It feels to me like a book, but of course I wouldn't open it for her.... Opening presents is half the fun for children and there's no sense denying her the pleasure."

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IN the late afternoon Nancy,
who is 7, gets a last Rumson swing
from her father.

"*I'm not much of a do-it-yourselfer,*
but I did manage to sink the frame of
this swing in concrete. You couldn't pull it out
if you tried so I guess it's here
for the next fellow to swing his *kids on.*"



A CLIMB on the backyard fence
for Nancy ends in a
surprise hug from the judge.

"*We'll be coming back to Rumson*
every chance we get, so it's not as if
this is the last time you'll see the place, Nancy.
Besides, I'm sure Washington will be
a wonderful place to live."



JUDICIAL robes on his arm, Justice Brennan
leaves his empty State Supreme Court
chambers for a big step upward.

"*I'm taking three robes with me. The*
oldest I got eight years ago. I wore it
as a trial judge in Hudson County,
on the Appellate Division in Newark,
on the Supreme Court in Trenton. I guess
it's still got a lot of life left in it."



AN IMPORTANT MESSAGE TO COMMON COLD SUFFERERS!

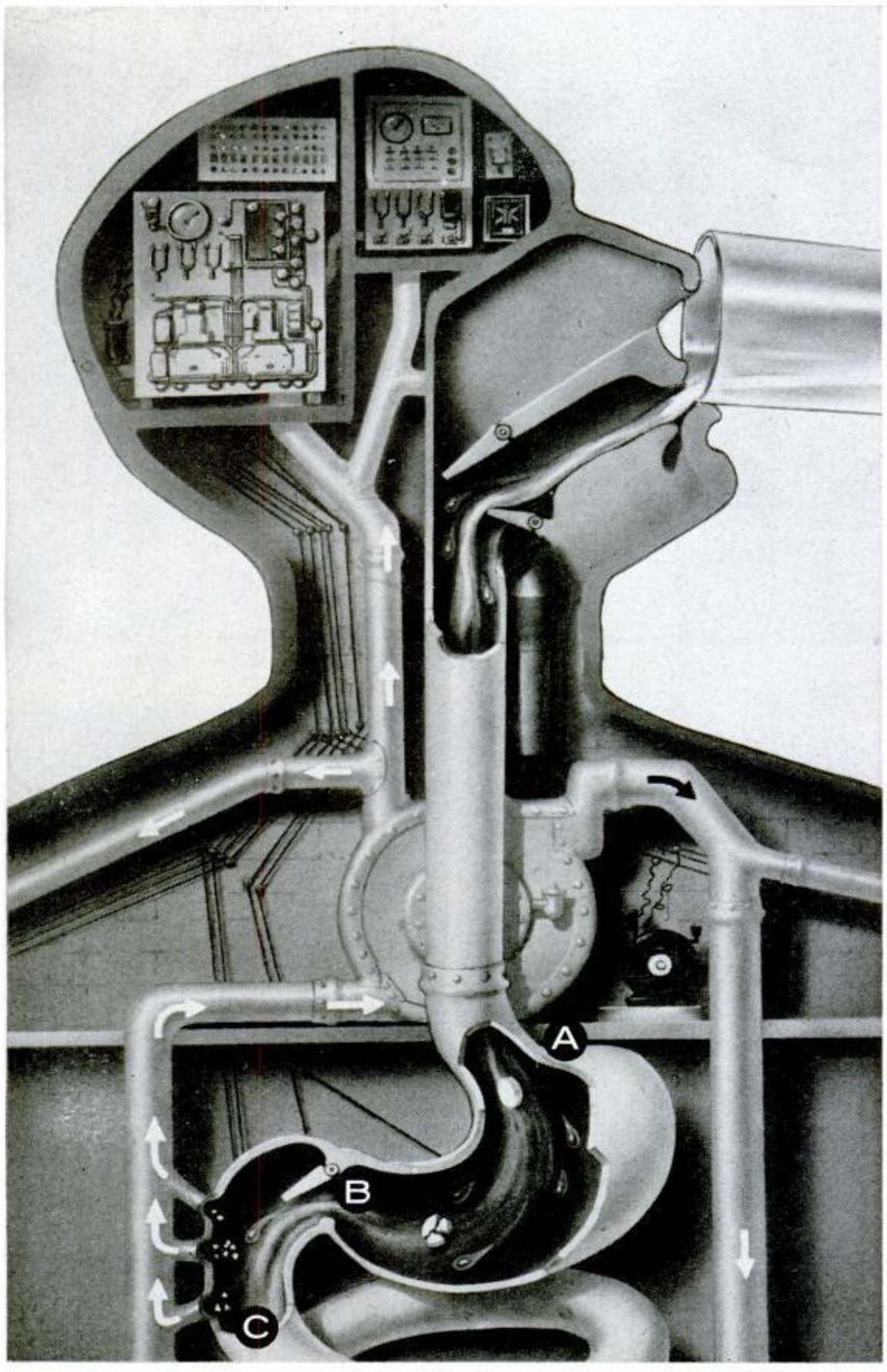
Bufferin® relieves cold miseries twice as fast as aspirin —and doesn't upset your stomach as aspirin often does!

The headaches, neuralgia and discomforts that accompany the common cold can now be relieved with Bufferin in *less time* than with aspirin alone.

Laboratory tests comparing Bufferin and aspirin show that Bufferin's pain relieving agent gets into the blood stream twice as fast as aspirin.

This means Bufferin acts *twice as fast* to make a cold sufferer feel better.

Clinical tests reveal that stomach upsets often follow the taking of aspirin. But you can keep taking Bufferin—with a clear conscience—until you feel better. Even in *continuous* doses, Bufferin will not upset your stomach.



Amount of pain reliever in blood stream shows how Bufferin acts faster to relieve pain

Ⓐ Medical science has proved that any known pain reliever must pass through the stomach and into the blood stream to relieve pain.

Ⓑ Bufferin combines aspirin with two antacid ingredients. These speed the pain reliever out of the stomach and into the blood stream *twice as fast* as aspirin. That's why . . .

Ⓒ Bufferin acts *twice as fast* as aspirin to relieve pain. And hospital tests show Bufferin won't upset your stomach as aspirin often does.

WON'T UPSET
YOUR STOMACH



ANOTHER FINE PRODUCT
OF BRISTOL-MYERS

IF YOU SUFFER FROM PAIN OF ARTHRITIS OR RHEUMATISM, ASK YOUR PHYSICIAN ABOUT BUFFERIN

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DRAGNET FOR NEW SAINT JOAN



BETTY SEMDOVER
EVANSTON, ILL.



MAUREEN HUGHES
CHICAGO, ILL.



MARLENE LEBSTRON
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MARTHA BUELL
SAN FRANCISCO, CALIF.



MOLLY HOGAN
ST. LOUIS, MO.



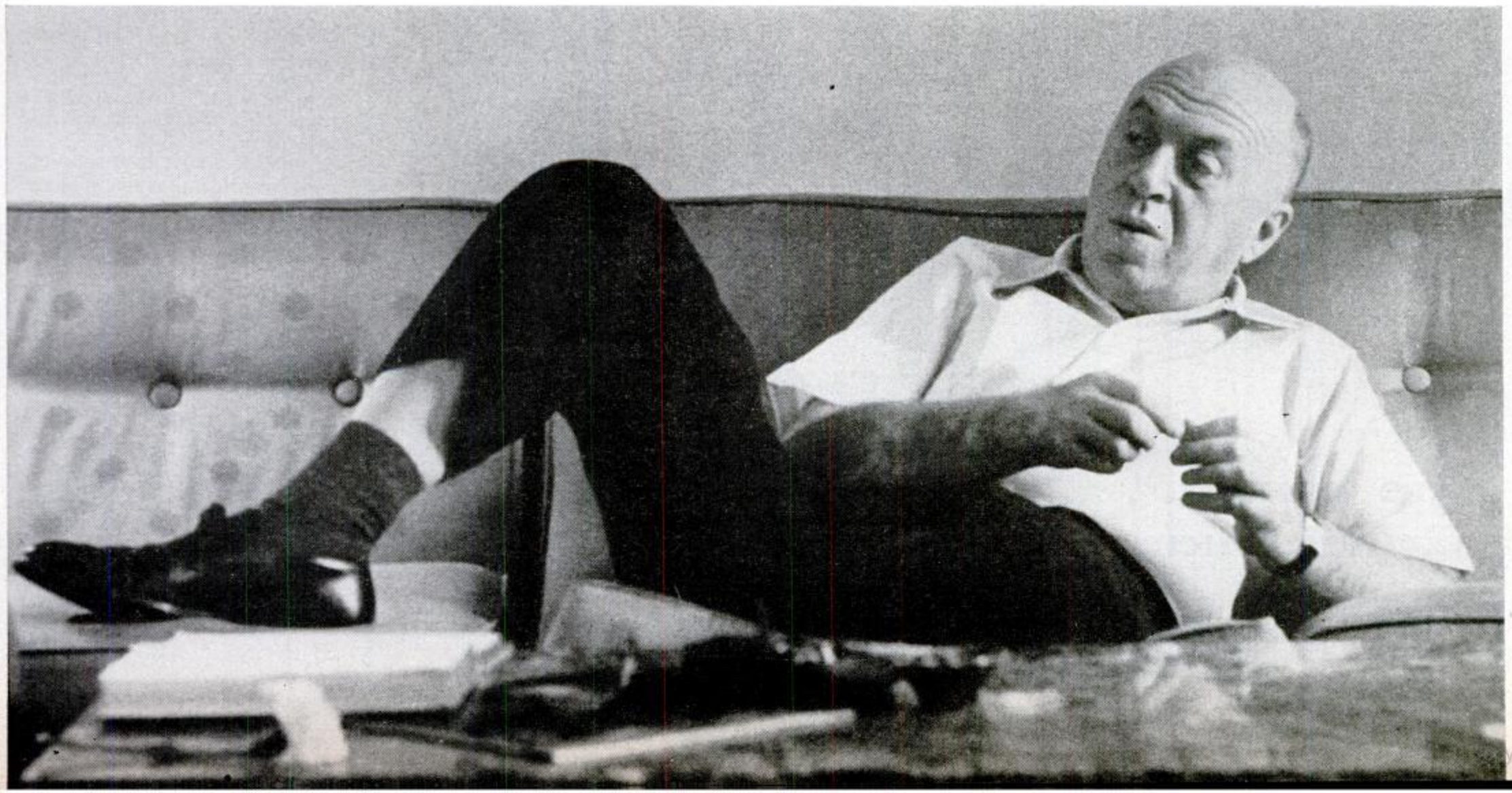
KELLI BLAINE
NEW YORK, N.Y.

Movie director goes all over the map to interview 3,000 young actresses

Planning his forthcoming movie of Shaw's *Saint Joan*, Director Otto Preminger recalled that Shaw once said Joan should be played by an unknown actress, not much older than the 17-year-old village maid. Accordingly he held a mammoth contest open to all actresses between 16 and 22 who could speak English. He received 18,000 applications, weeded them down to 3,000 whom he interviewed all over the U.S., Canada and Europe.

In stating her qualifications for the part, one blonde from Tennessee sent a picture of herself in a bathing suit and wrote that Joan of Arc had given her a suit of armor. Preminger found that, numerically, the prettiest girls came from Dallas, the youngest from Denver, the most talented from Detroit, Cleveland and Chicago. But the most talented single candidate—and the winner—came from a small cornbelt town (*next page*).

DURING AUDITION IN CHICAGO HOTEL, DIRECTOR PREMINGER LEANS BACK ON COUCH WHILE WATCHING LAST OF 205 ASPIRING JOANS HE HEARD THAT DAY



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HOME FUN WITH WINE



BUY 2 California Wines. Compare color and aroma. Sip. Choose. Munch crackers.



MEN like Sherry before meals, robust red wine like California Burgundy with meals.



WOMEN often prefer Sauterne. Or pink Rosé—with *any* dish, it pleases *everybody!*



LEARN delicious shortcuts like basting roasts with wine. Alcohol evaporates, flavor stays!

For more wine ideas, get new *free* folder, "HOME FUN WITH CALIFORNIA WINES." Address:

ALWAYS ASK FOR

the Wines of California

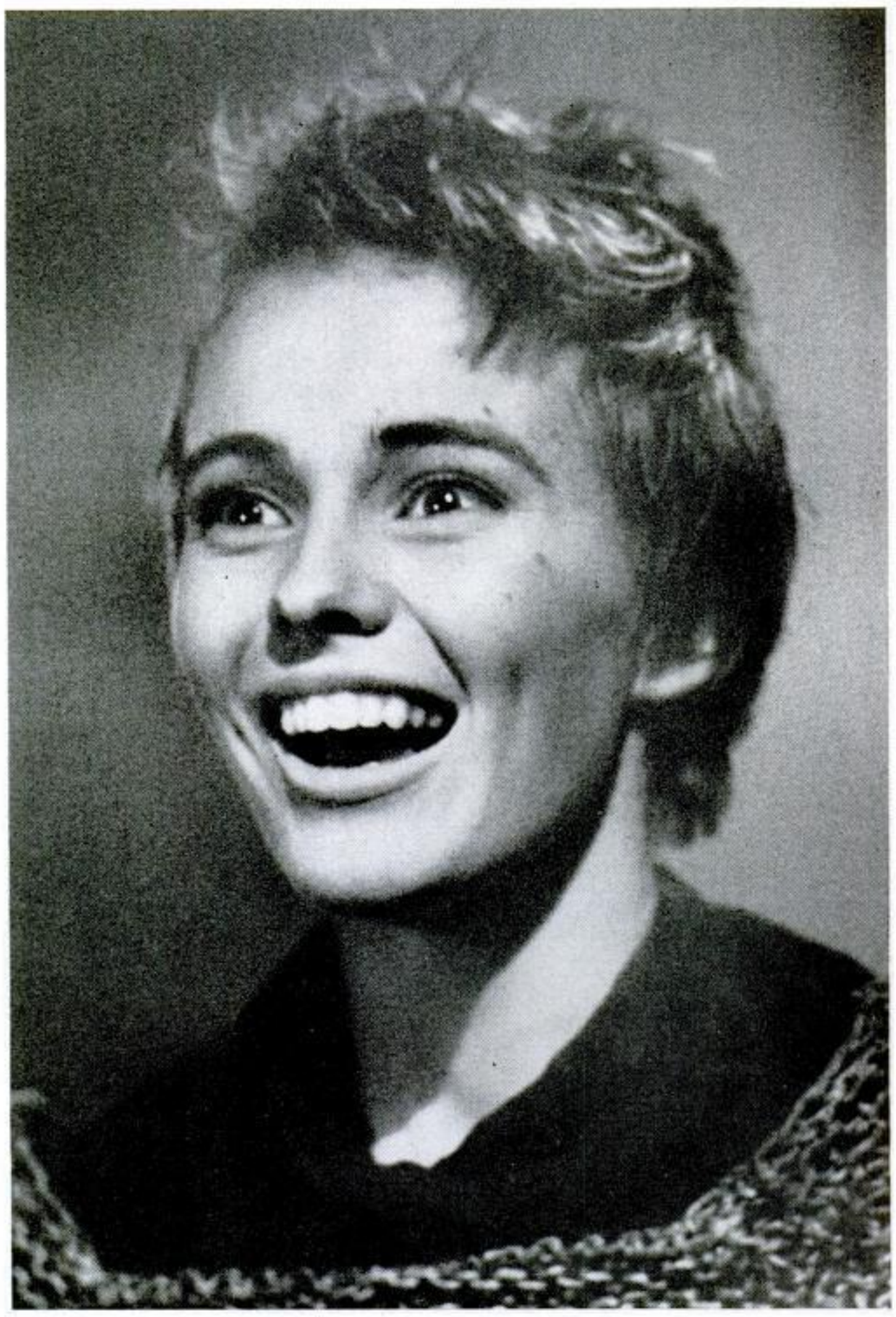
WINE ADVISORY BOARD, DEPARTMENT L-7
717 MARKET STREET, SAN FRANCISCO 3, CALIF.



EXHAUSTED by screen test rehearsals, Jean leans on Preminger who, despite her weariness, says, "She has steel in her."

A JEAN BECOMES A JOAN

Winner of the contest, announced this week on Ed Sullivan's show (CBS-TV), is 17-year-old Jean Seberg from Marshalltown, Iowa. Daughter of a druggist, Jean had done school theatricals and acted in summer stock. Last August she auditioned for Preminger in Chicago, was invited to New York for a screen test. Trying to break her down to see her capacity for emotion, Preminger ordered her to do one scene again and again. Finally he asked if she wanted to go on. "Mr. Preminger," said Jean fervently, "I'll do this over and over until you drop dead." In November, Jean takes her fervor to England, where *Joan* will be filmed.



EXHILARATED after test, Jean lets out a whoop of joy when Preminger praises her. For her role she will have to lose a bit of her midwestern accent.

"I'm 103

. . . and rheumatism hasn't stopped me from enjoying life!"

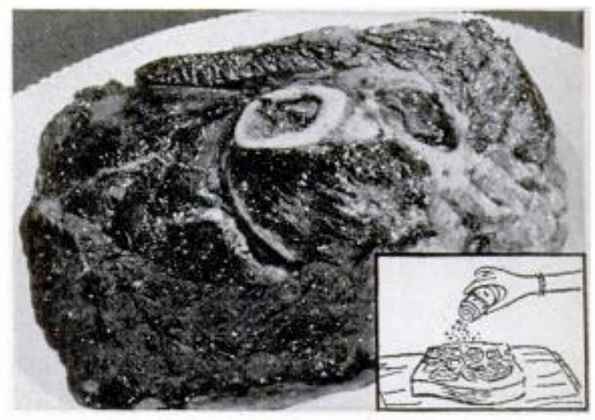


This photo taken Sept. 1956

A rheumatic sufferer for 50 years, Mrs. Eunice L. Ratekin, Rulo, Neb., has been headlined in many newspaper stories. In her latest interview, she was asked by an INS reporter whether *Sloan's Liniment* had given her greater relief from her rheumatic pains than any other product she ever used. "Oh mercy yes!" she said. "If it hadn't, I wouldn't have used it for so long." Like millions of fellow-sufferers—young and old—Mrs. Ratekin knows from experience that nothing eases pain like *Sloan's!* It's all heat-producing liniment—not diluted with alcohol. Penetrates full-strength—helps relieve the pains of rheumatism, arthritis, muscular soreness good and quick. Ask your doctor!

SLOAN'S
LINIMENT or BALM
CHASES PAIN
Relief for young folks from 10 to 110

BEST BUY



half-price steak!

TAKE FULL ADVANTAGE of today's plentiful supply of low-cost lean beef. Use Adolph's Meat Tenderizer to be sure of tender steaks even when cut from chuck, flank or round and *they can be broiled instead of braised!* Adolph's is a pure food product and is used by millions of smart housewives.

try this low-cost steak dinner



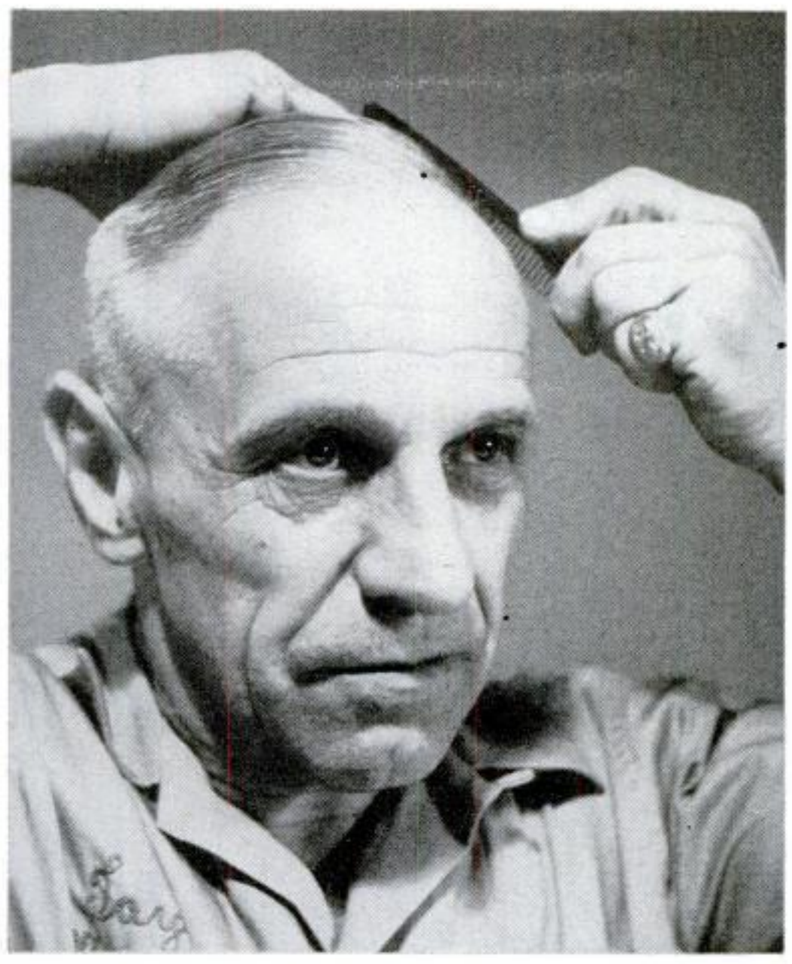
Cranberry Juice
Broiled Chuck Steak
(tenderized with Adolph's)
Rice Cheese Casserole
Green Salad
Honey French Dressing
Apricot Cobbler

Buy Adolph's, Seasoned or Non-Seasoned at your grocers today. And ask for Adolph's new Meat Recipe Cards—they're free!

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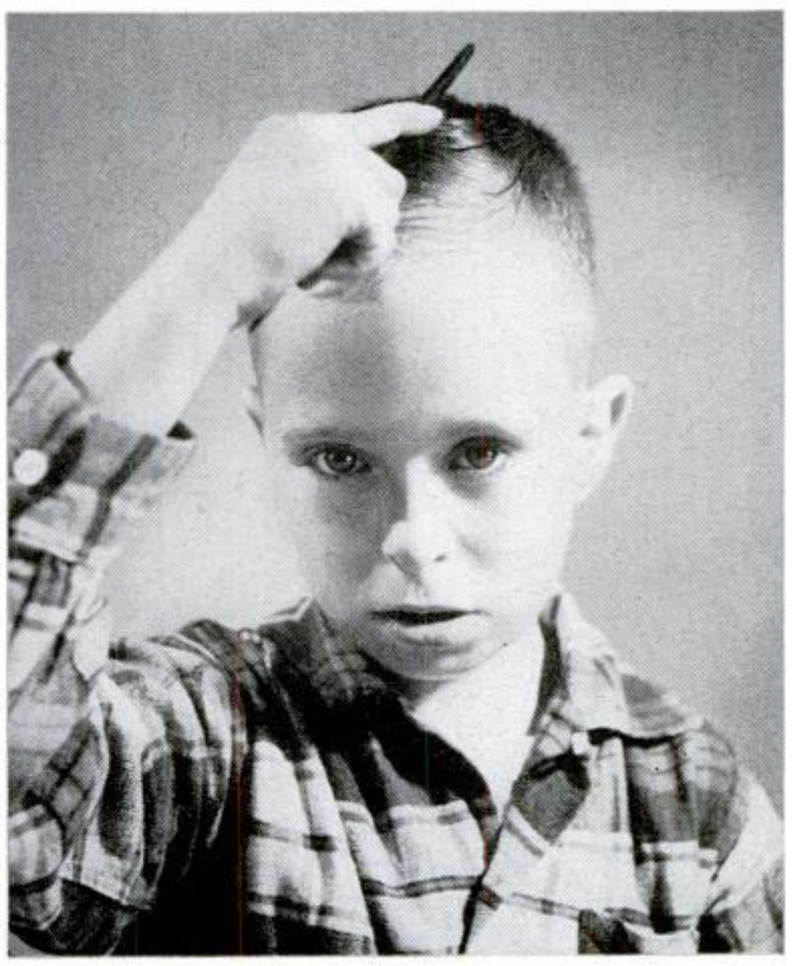
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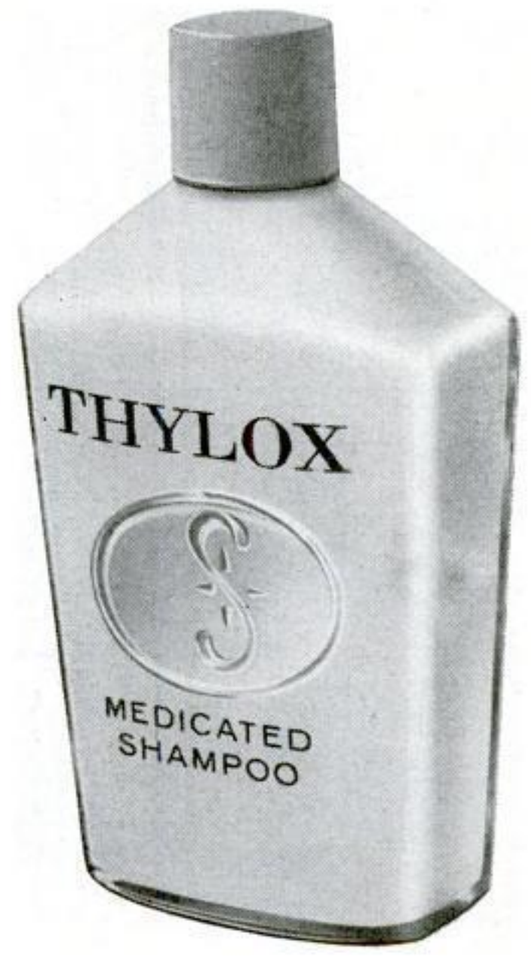


Two men, three women, one child

. . . typical of the men, women, and children who proved that no case of dandruff is hopeless today when you use NEW Thylox *Medicated* Shampoo. Thylox is the first liquid medicated shampoo that effectively stops dandruff, seborrheic dermatitis, itchy and oily scalp. These are facts proved in clinical tests controlled and supervised by doctors for a year and three months.

Thylox is like no other product, for it is both an effective treatment and an excellent shampoo that thoroughly cleanses your hair and promotes general scalp health. Completely safe, easy and pleasant to use, requires no prescription.

Thylox is available at better department and drug stores. Large 6¼ oz. bottle costs $1.50.



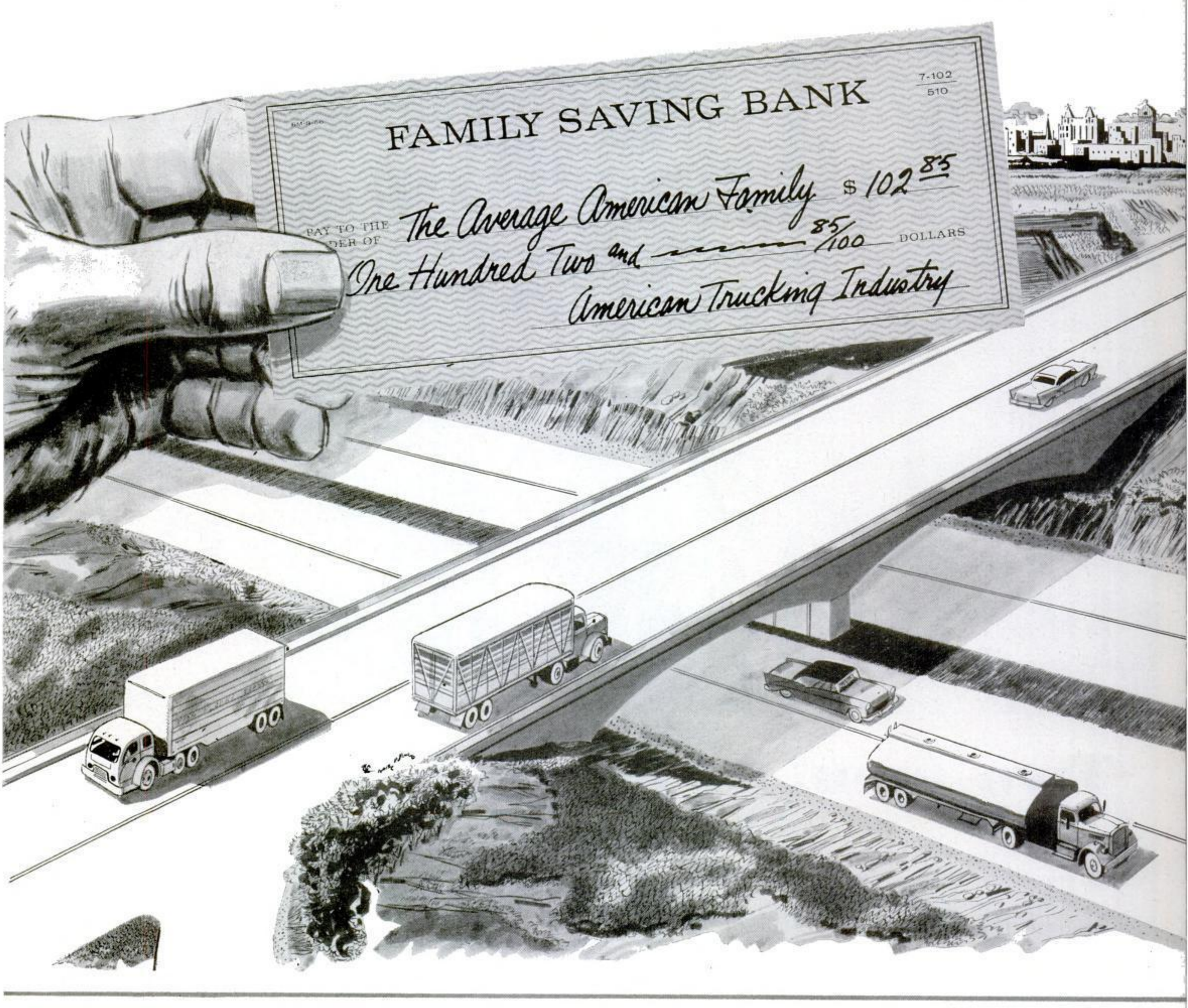
THYLOX®

medicated shampoo

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YOUR FAMILY AND HAS AN EXTRA



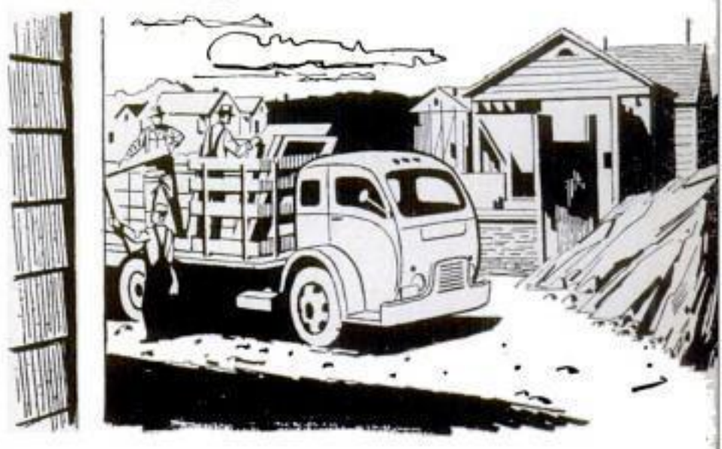
Food



Clothing



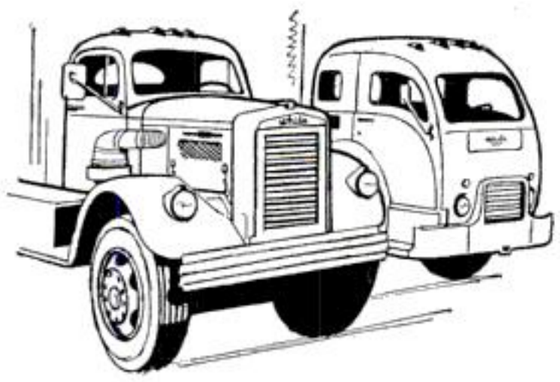
Shelter



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$100 TO SPEND THIS YEAR

..thanks to truck transportation



How many things can you think of that cost less today than, say, twenty years ago?

Transportation is one.

And a mighty important one . . . because the *cost* of everything we eat, wear and use is affected by the cost of *transportation.*

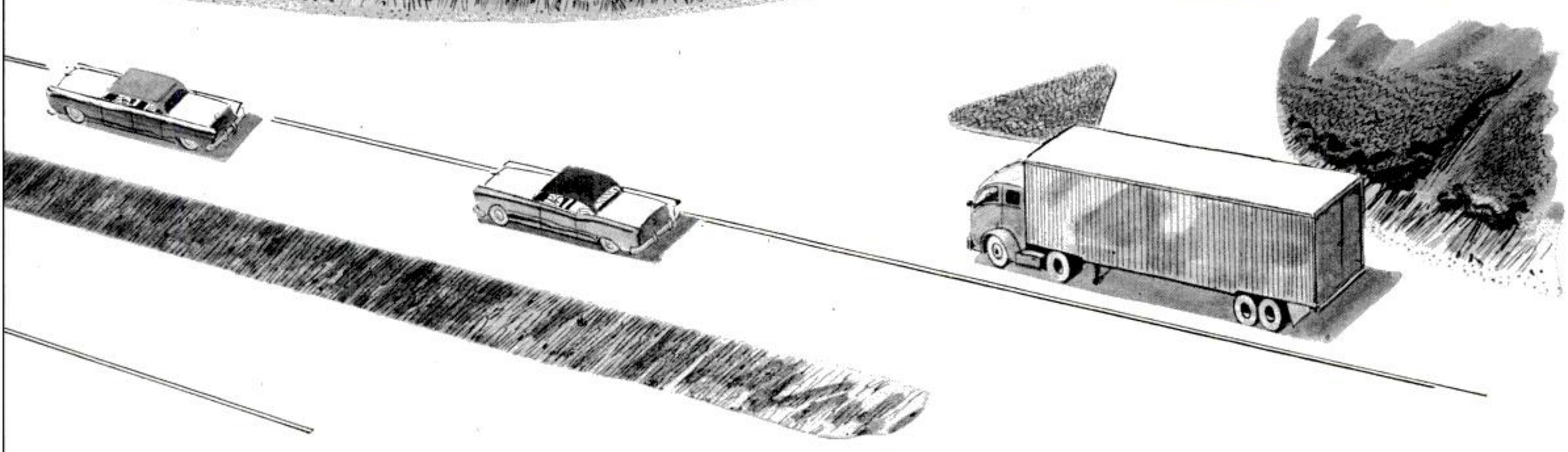
Thanks to trucks, the average American family's purchases this year reflect a transportation saving of slightly more than $100 . . . most of the price of a major household appliance, a TV set or any one of dozens of different products for better living.

Trucks have kept rates down by offering better service and injecting the element of competition into our transportation economy. They help make possible a total annual saving in freight transportation cost of more than 4-billion dollars.

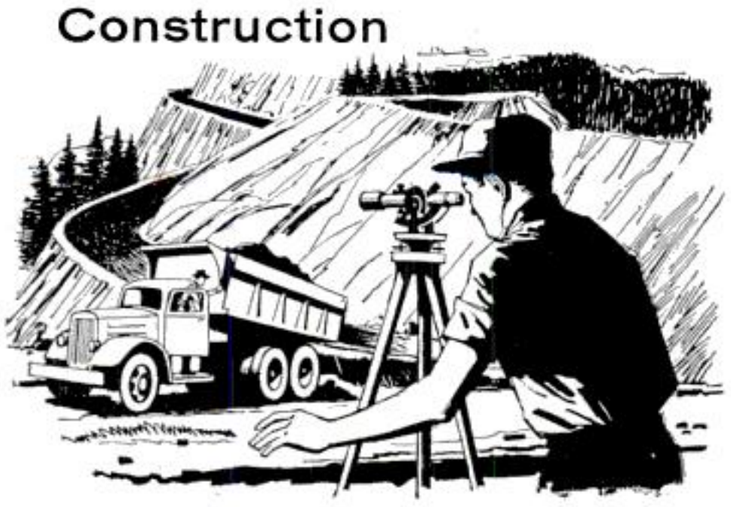
Modern living . . . in the city, in suburbs and on the farm . . . would be impossible without flexible, low-cost truck transportation.

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MEMBER ATA FOUNDATION INC. AMERICAN TRUCKING INDUSTRY Washington, D. C.



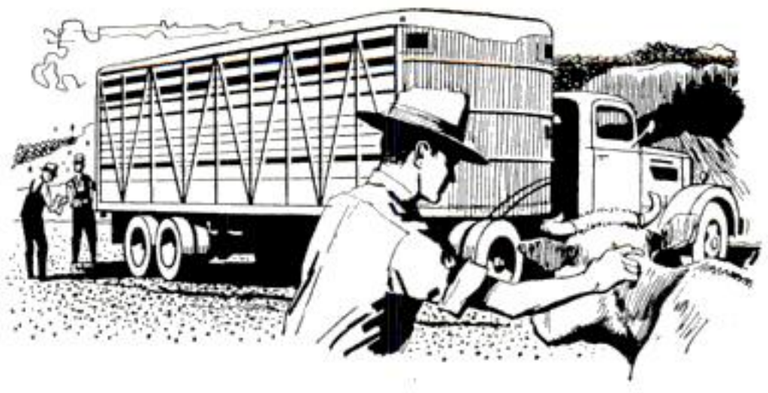
Construction



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CARTOON DEPICTS THE CAMPAIGN IN THE HOMESTRETCH AS REPUBLICAN NOMINEE EISENHOWER, A HORATIUS AT THE WHITE HOUSE BRIDGE, TAKES ON ATTACKING

Ahead in his own campaign,

WINDUP MEMO BASED ON INFORMED REPORTING EXPLAINS WHY

During the 1956 political year TIME-LIFE *Correspondent James L. McConaughy covered most of the U.S. talking to candidates, politicos and voters. In the past two months alone he has traveled through 22 states, from Connecticut to California and from North Dakota to Texas.* ***His memo on the 1956 race as it nears its end is based on his own observations plus reports from 30 other*** TIME-LIFE ***correspondents who have been covering the campaign at all levels.***

AS the U.S. presidential election, like every other U.S. election campaign, grows noisy and extravagant in the homestretch, it becomes more and more apparent that this one is not like the others. The principal reasons why:

First: it no longer stacks up as a race for the presidency between the two nominees of the two major political parties. According to the reports from the TIME-LIFE correspondents all across the nation, as of last week, Eisenhower was far ahead of Stevenson.

Second: but the Republicans as a party are running behind their leader and, more important, behind their Democratic opponents. In fact, the campaign can be summed up as a contest between one Republican, President Eisenhower, and the whole Democratic party.

The strange spectacle confronting the political reporter this year is one of an exuberant and tremendously effective campaigner, leading a party which as a whole is in trouble, opposed by a party which is rambunctious and effective as a whole though its leader is getting nowhere in his own campaign.

And this phenomenon suggests that after Nov. 6 the U.S. might see an even rarer spectacle: a re-elected Republican President confronted with a Democratic Senate and House. Not for more than a century has an incoming President had to deal with both a Senate and House organized by the opposition. (It last happened to Zachary Taylor, in 1848, when the Senate was elected by the state legislatures, not by direct popular vote.)

The prospect of this situation became increasingly evident to me as I went about the country with the campaigners during the past months. It is backed up by the reports of other TIME-LIFE correspondents from all over the country. This trend could of course change overnight. The overall Democratic momentum, for example, just might squeak Stevenson into the White House. Or some issue or incident might lend itself to sudden Democratic exploitation. But at the moment it is Ike *vs.* all the Democrats, and the only question is how many of the Republicans who face defeat he can bring in on his coattails.

It is possible that Stevenson's advisers miscalculated in getting his campaign off to an early start (LIFE, Sept. 10). In some areas small crowds have indicated that Adlai has perhaps begun to pall on the voters. Last week in Flint, Mich., for example, he drew only a meager two thirds as many people as non-candidate Thomas E. Dewey attracted to the same place the night before.

Stevenson's proposal that the draft might "be ended at the earliest possible moment consistent with national safety" had the boomerang result of opening him up to the charge of advocating a weaker national defense.

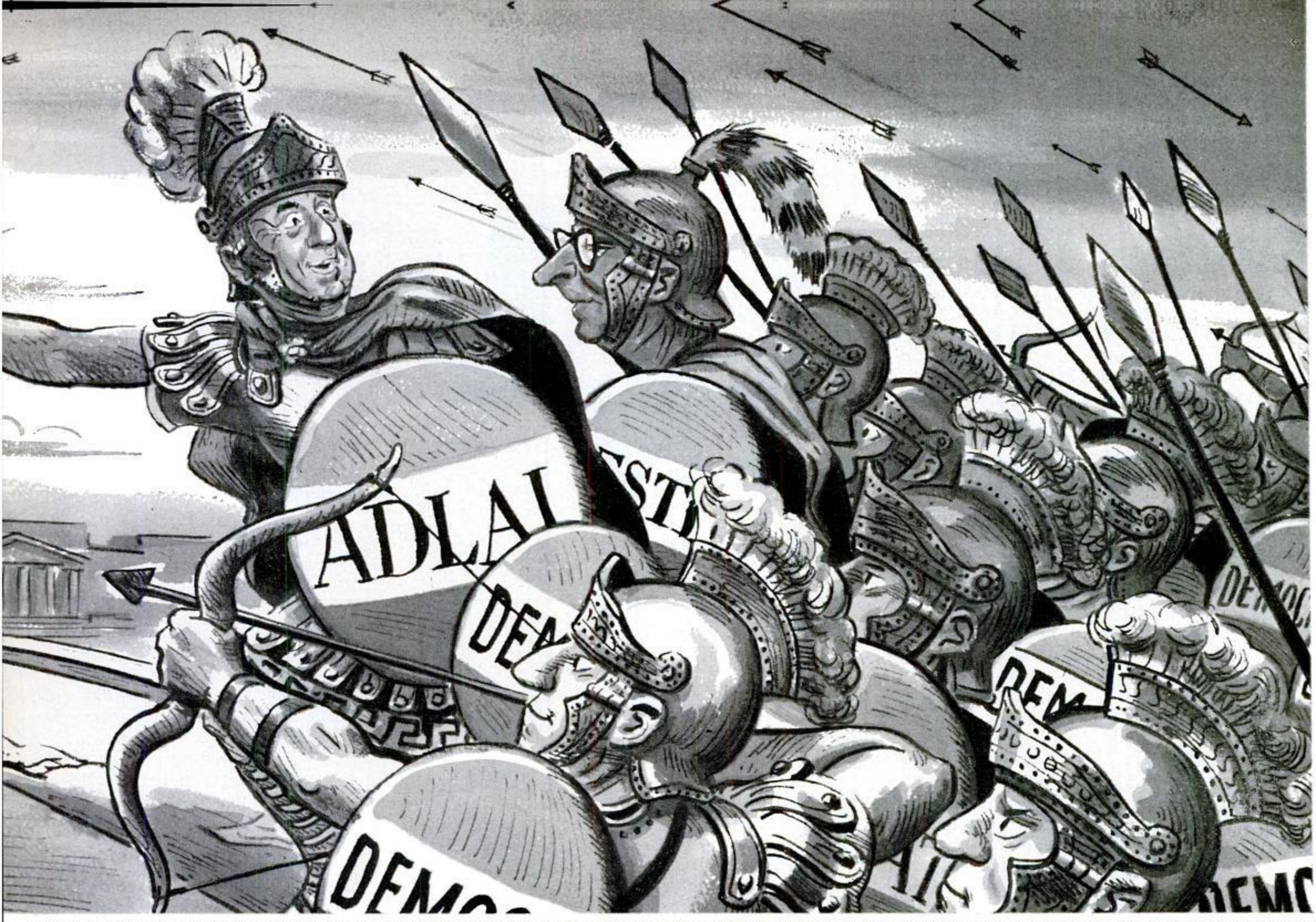
But his attempt to make the H-bomb tests a major issue appears to be creating some political smoke, if not much political fire (*see Editorial, p. 44*). His dramatic H-bomb television speech of Oct. 15 attracted telegrams from most sections of the country, including a number from nuclear scientists, many of whom have long suffered from a Frankenstein complex.

'Fear campaign'

ON the Republican side, and from other scientists, Stevenson's proposal for banning of H-bomb tests has provoked angry accusations that he is inciting a "fear campaign."

Whatever the scientific arguments pro and con, Stevenson seems to think he has found one major issue to draw some votes from Eisenhower. As of last week, that was about all, though. Every other main Stevenson charge

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DEMOCRATIC HORDES. YOUNG REPUBLICAN COHORTS (RIGHT) ARE COMING UP BUT MAY NOT GET THERE IN TIME TO HELP HIM WIN A REPUBLICAN CONGRESS THIS YEAR

Ike battles for the party

REPUBLICANS LAG BEHIND THEIR LEADER

by JAMES L. McCONAUGHY JR.

seems to return to the fundamental one: Eisenhower isn't really the boss; he is a front for the big business interests.

Certainly Ike is winning the popularity contest. Turnouts to see him were huge and impressive. His television performances have been technically superb. Nearly every public opinion poll has shown him leading.

With such strength at the top of the ticket, with the Republican party apparently far more skilled and seasoned even than in 1952 and with the country prosperous and peaceful, it should follow by political logic that nearly all Republican candidates are a shoo-in. Yet—and this is the paradox of 1952—many Republicans are in trouble.

It is not because of the candidates themselves. In fact, this is very much a "good candidate" year for the Republicans. Three outstanding senatorial candidates—John Sherman Cooper in Kentucky, Douglas McKay in Oregon, Arthur B. Langlie in Washington—were hand-picked by Eisenhower in the hope of winning a Republican Senate.

But today, though Ike himself appears to be ahead in Washington and Oregon, Langlie is in critical trouble, and McKay is also trailing. Cooper's race is close. Curiously, Kentucky has an embarrassment of Republican riches: in addition to Eisenhower and Cooper, who is running for Alben Barkley's unexpired term, the ticket includes Thruston B. Morton running for the regular Senate seat. All are excellent candidates and one reporter sensed that Kentuckians may be reluctant to vote for more than one Republican for fear of endangering their traditional standing as Democrats.

Elsewhere the problem is much simpler: Eisenhower is leading, the next Republican is trailing. In Connecticut some Democrats have told me that while they rate Republican Senator Prescott Bush a superior campaigner to Thomas J. Dodd, they feel Bush can win only on Ike's coattails. Jacob K. Javits is a better campaigner than New York's Robert F. Wagner Jr. But Javits likewise needs a big transferal of Eisenhower strength to win.

The notable Republican improvement over its slates in other years extends also to the party's nominees for the House. And there is no problem of money. Four years ago the Republicans on the whole outspent the Democrats $55 to $45, and the ratio should be about the same this year.

The party organizations

IN some areas the Republicans have been hurt by big improvements the Democrats have made in organization. In Pennsylvania, where it copied Republican organizational practices when it came to power two years ago, the Democratic machine is now so ruthlessly efficient at squeezing contributions from state employes that the party's own candidate for senator has publicly (and futilely) demanded that it cease and desist. But nearly everywhere else in the country, especially at state levels, the Republican organizations are every bit as good as the Democratic.

Nationally the Republican organization is emphatically superior to the Democrats'. Republicans assert that Leonard W. Hall is the best national chairman the party has had in all its 100 years. Republican skill has made Nixon's campaign trips smooth, on time and hyperefficient—in contrast to those of Estes Kefauver, which are sometimes a politician's nightmare.

The paradox of Ike leading while his party is trailing can be explained only by contrasting the two separate campaigns: Ike *vs.* Adlai, and the Republican party *vs.* the Democratic party.

The explanation for the party's troubles most often advanced by Republicans is organized labor's strong role in politics. Eight years ago the Michigan C.I.O. formally entered the state's Democratic party. The U.A.W. is now the backbone of the revitalized state organization.

Republican leaders shudder at the thought of this pattern becoming nationwide. "There are 160,000 precincts in the country and about

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EISENHOWER vs. DEMOCRATS CONTINUED

73,000 union locals," a Republican tactician told me. "If you could ever get these locals working for you, you'd have a built-in, countrywide precinct organization."

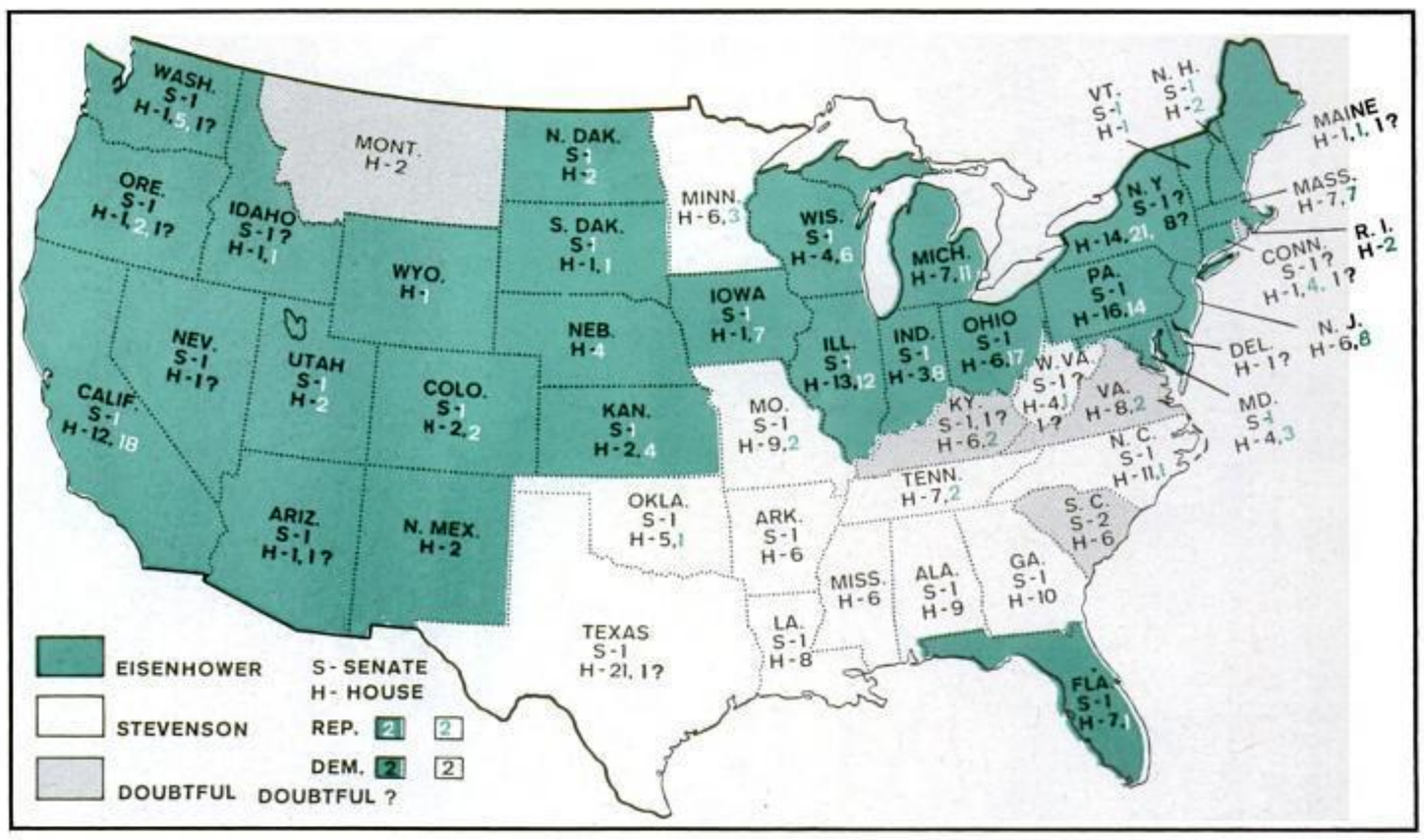
Copying the U.A.W. Michigan technique, textile workers helped Maine re-elect Governor Edmund Muskie by the biggest vote in state history and were chiefly responsible for electing the state's first democratic congressman since 1934. (Lewiston, with 4,000 textile workers, increased its Democratic vote by 3,300 over 1954 while the Republican vote held steady.) For the first time in modern politics Democrats in Oregon now clearly out-register Republicans, thanks principally to the work of union members.

But some C.I.O. and A.F.L. organizations are working at cross-purposes: the Ohio A.F.L., for example, is working for Senator George H. Bender, and the Michigan teamsters are backing Albert Cobo for governor. A prominent Republican candidate secretly counts as his second greatest blessing (Ike is number one) that Adlai Stevenson has not identified himself as the 100% candidate of organized labor. "If Adlai went all out for the labor vote and promised them anything and everything they wanted," he told me, "the election could turn into a horse race."

This same Republican's own diagnosis of his party's problem is that "the Democrats organize from the bottom up, we organize from the top down." This is another way of saying that it's fine if the candidates make their schedules on time and if the TV shows are technically perfect, but that what really counts in an election is getting out the votes at the precinct level. Especially in the big cities, Democratic precinct workers are superior at getting their voters registered and to the polls, at pushing doorbells and arranging meetings, at stirring up partisan enthusiasm, doing minor political favors and tending to the day-by-day business of politics at the basic level.

One reason for this is that in most of the cities the Democrats control the local patronage. The second, more elemental, reason is the fact that the Democratic party is still the majority party in the U.S. Four years of peace, progress, prosperity—and Eisenhower—have helped the Republicans combat this. But four years have not been enough. Only a fraction of the American voters consider themselves Republicans; the instincts of the majority are still Democratic.

Pollsters quibble over the size of that Republican minority, but all agree it is a minority. The latest estimate is that if all adult Americans were called on to register by party, only 39 million would say "Republican." The Democratic party would get 51.7 million (7.8 million would be undecided).



PROBABLE RESULTS in presidential and state-level elections are shown on map. Colors indicate state votes for President, figures inside states show party victories for contested House, Senate seats.

The country's basic Democratic instincts grow out of the long years of Democratic rule—through a depression, a war, a post-war boom, and accompanying economic and social revolutions. All this time the Democratic party was setting the political pace, sometimes a breathless one and sometimes a ludicrous running-in-place, but the pace nevertheless. A quarter of a century later the political imprint is still indelible. Not even what looked like a political revolution four years ago has smudged it seriously.

This instinctive Democratic-mindedness continues to show up all over the U.S. In Michigan, sidewalk interviews produce two phrases: "I'm for Eisenhower" or "I'm a Democrat." Few persons say they are voting "Republican." John McFall, who is running neck-and-neck against the Republican congressman in California's 11th district (Stockton), happily confides that he has met "more damn Democrats around than I ever knew existed." In that state's 6th district I see that the Republican candidate, John Baldwin, scrupulously omits any reference to his party label in his literature and billboards. After their temporary Eisenhower apostasy, southern voters are instinctively returning to the Democratic party. A top Republican concedes that Eisenhower will probably carry only one southern state, Florida. (In the last week, however, other Republicans have come to think that Ike has some chance in Texas.)

The fact that there is a fundamental Democratic instinct in the U.S. underlies the planning of Stevenson's campaign. While the Republicans flock behind Eisenhower, Stevenson's strategists have been working on the principle they call "operation reverse coattails." The main targets have been the big cities of the north, Democratic citadels since the time of Al Smith. And just as Republicans try to identify themselves with Ike, Adlai has tried to identify Eisenhower with the Republicans.

Every preconvention poll I have seen shows that there was no Republican who would strengthen the national ticket as candidate for Vice President; the problem was which Republican would weaken it least. I have campaigned 12,000 miles with Richard Nixon; it didn't take long to see that his pitch this year is frankly designed to remove Republican taints from himself and the rest of the ticket. In a typical speech at Springfield, Ill., he used the word "Eisenhower" 10 times, the word "Republican" once.

The Democratic campaigners have reiterated the theme of previous elections, a theme which has had something to do with the unpopularity of the word Republican: the G.O.P. is the rich man's party. Some Republicans have privately admitted that the tag has hurt. Democrats call it "the General Motors issue," and the standard ending to Stevenson's whistle-stop speeches is: "It's time to take the government away from General Motors and give it back to Joe Smith."

Justified or not, the Democrats' charge that the Republican party is overly sympathetic to big business has caught on with many of the voters. It crops up at every level, in every part of the country. "Ike has too

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BUSH, CONN.


JAVITS, N.Y.


KUCHEL, CALIF.


McKAY, ORE.


MORTON, KY.


COOPER, KY.

HOPES FOR G.O.P. SENATE are pinned on candidates in close races who can win if President's pluralities are high in their states. If Eisenhower helps them win, he will be fairly sure of having a Republican-run Senate and Republican majority in turn will be heavily weighted with men who strongly support him.

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IKE ON TV listens to question by one of 100 Citizens for Eisenhower on a program called *Citizens Press Conference*. He has been a great success on TV.

EISENHOWER VS. DEMOCRATS CONTINUED

many of what you might call selfish interests in his Cabinet," explains a Seattle repairman. "Those people around Ike" was a frequent phrase picked up by a reporter interviewing the crowd at Iowa's national plowing contest. An editor in the northwest reports, "From what I hear, it's a case of too many people feeling that Ike is a fine guy but has a party of big businessmen." Early in the campaign Republican National Chairman Len Hall seated himself next to an expensively dressed woman on a plane in the Midwest and automatically started to talk politics. He liked her answers and, without identifying himself, asked what her party was. "I'm not rich enough to be a Republican," she snapped.

Partly through stupidity and partly through circumstances beyond their control, the Republicans have on occasion helped encourage the "party of the rich" issue. The Dixon-Yates plan to supplement public power with privately financed generating facilities in the Tennessee Valley made sound economic sense, but Republicans bungled it bureaucratically and never did try to explain it until it had become a political football.

When the Federal Reserve Board tightened money supplies to slow down inflationary tendencies and make the dollar more stable, Democrats shouted that the Republicans were instead helping only their banker friends by hiking interest rates and conveniently ignored the fact that the board is an independent agency and not a department over which the Administration exercises direct control. The Republican tax bill, which rewrote corporation tax law and allowed credits for dividend income but failed to reduce personal rates, was a political bonanza to Democrats who happily complained that it helped the rich and ignored the poor. Democrats deliberately drafted the farm bill to provoke a veto so they could piously proclaim that Republicans killed their efforts to help the "little farmer." Reporters covering Estes Kefauver's campaign tell me that they heard him sympathize so often with "the little fellow" that they now refer to "the pygmy vote." Adlai Stevenson's

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ADLAI ON TV discusses H-bomb tests, which he has tried to make a major issue, with Democratic Senators Stuart Symington (*left*), Clinton Anderson.

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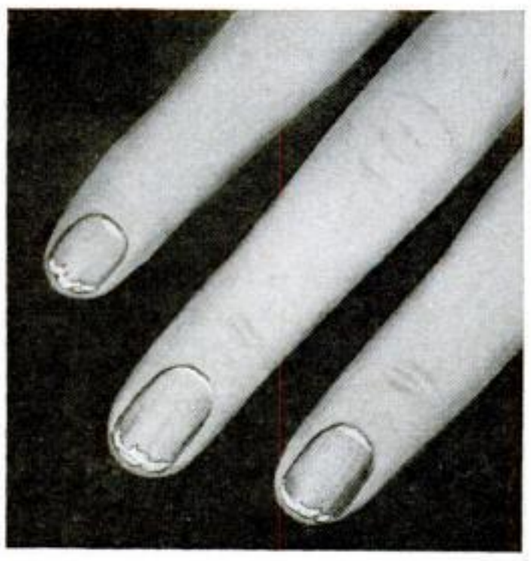
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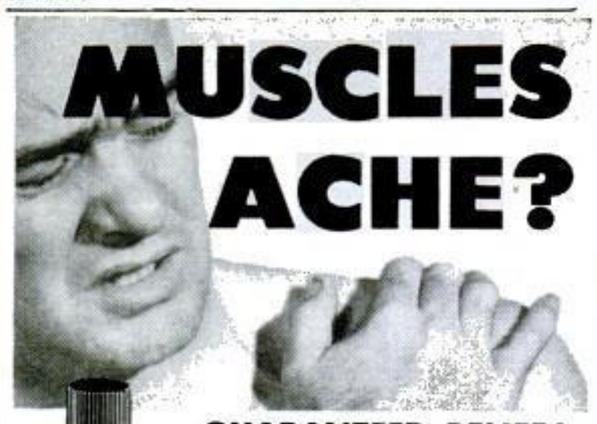


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FORMER PRESIDENT Harry Truman crosses President Eisenhower's trail at a Pittsburgh hotel midway in the campaign. Eisenhower had not yet arrived.

EISENHOWER VS. DEMOCRATS CONTINUED

official campaign emblem is a miniature silver shoe with a hole in the sole. (Republicans have tried to make it backfire by running pictures of the emblem with the slogan: "Don't let this happen to you—vote for Ike.")

Although no party has ever had a monopoly on slanting truth to help the party cause, the Democrats this time have been particularly effective by being casual with the facts. When he was testifying before a Senate committee, Defense Secretary Charles Wilson actually said, "For years, I thought what was good for our country was good for General Motors, and vice versa. The difference did not exist." A Democratic senator emerged from the closed-door meeting and said to the waiting reporters, of whom I was one, "Don't quote me, but Charlie just said 'What's good for General Motors is good for the country.' "

The Democratic pitch has in fact reached the point where Averell Harriman said to a Democratic rally in Manhattan this month, "A man can't serve both the Republican party and the interests of the people; and anybody who tries to is a sham."



G.O.P. CHAIRMAN Leonard Hall has run highly efficient organization and campaign.

It is an effective pitch, as Republicans painfully admit, both in itself and as a reminder of the economic antagonism that helped establish Democratic instincts in the 1930s and '40s. Minority Republicans often are sheepish about their party membership. "I'm a *registered* Republican," an eastern housewife told me, accenting the mitigating adjective and explaining that she registered that way so that she could vote in the primaries. A friend of mine soliciting donations to the Grand Old Party in plush Greenwich, Conn. discovered that more than half of the biggest contributors listed themselves as "Independents."

Democrats, on the other hand, are far from being reticent about being Democrats, especially rich ones like Harriman, who flaunt their party label like an honorary badge. "I'm a Democrat" is a self-congratulatory phrase like "I'm from Texas."

Because their party includes just about every shade of political thinking—white supremacists and civil righters, archconservatives and inflationists, friends of the peanut farmers and protectors of the candymakers—almost anything can happen, and often does,

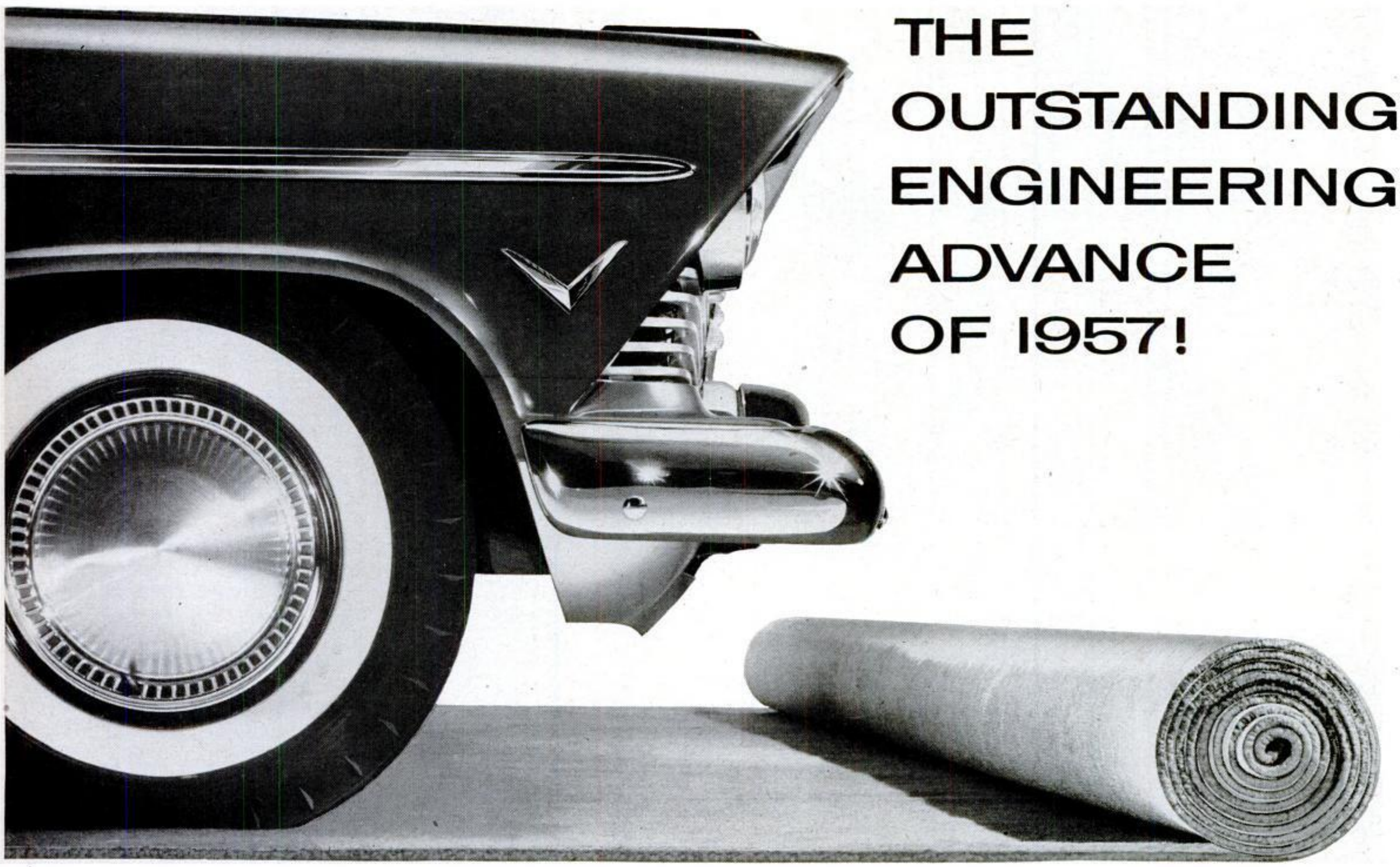
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CAUTIOUS CAMPAIGNER Kefauver warily pats a dog with his left hand because another dog had nipped his right hand a few days before. He covers a lot of ground but his campaign has been ramshackle and sometimes comic.

EISENHOWER VS. DEMOCRATS CONTINUED

when Democrats get together. This adds up to a lot of human appeal. The Democrats' national conventions produce spectacular fights and tender reconciliations. Their banquets are delightfully disorganized and full of interminable oratory that nobody takes seriously. (Republican banquets begin and end on time, and speeches are short and crisp.) When his Democratic colleagues gave Senator Walter George a farewell banquet in Washington last summer, nobody worried when the present, a silver tray, got lost; it eventually turned up in the closet of a hotel suite, wrapped in a lady's slip.

Harry Truman was echoing Democratic sentiments when he said to a friend of mine as he climbed off the train in Chicago last summer, "Somebody's going to have the guts kicked out of him at this convention." After he had denounced Adlai Stevenson and tried to nominate Averell Harriman, only to suffer ignominious defeat, Truman could still wisecrack to the same friend, "See, somebody did have the guts kicked out of him—me."

The eviscerated ex-President is wandering the fringes of the campaign and still giving 'em hell ("There isn't a single thing that affects you people that hasn't been bungled"). But his contribution will be secondary as long as Adlai Stevenson can help it. No member of the old Truman gang has an important say-so in the Stevenson campaign. Nixon and the Republicans have tried their oratorical best to help Truman return to the center of the political stage by demanding that Stevenson speak up on where he disagrees and agrees with Truman. But the leaders of the Democrats' main show are trying to keep the former President in the wings.

Politically-minded Eisenhower

IN 1952 the Republicans could conduct a crusade against what they termed "corruption, Korea and Communism." This time the No. 1 Republican has little to crusade against and has at times been forced to go on the defensive, which he has done with as much vigor as he crusaded four years ago. "You or anybody else is just as important to me as any millionaire that ever walked the earth," he told a garmentworker on a TV panel show, in answer to the "rich man's party" charge.

Referring to the fact that his Secretary of Defense is a millionaire and the former president of GM, Ike noted the billions spent annually on defense and asked, "Who would you rather have in charge of that? Some failure that never did anything, or a successful businessman? I got the head of the biggest company I could go to . . . he has been doing a good job."

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HELPING THE TICKET, Eisenhower campaigns in Pittsburgh alongside Senator James Duff, who needs his support to beat Democratic senatorial candidate Joseph Clark. Stevenson hopes Clark will help him win Pennsylvania.

EISENHOWER VS. DEMOCRATS CONTINUED

With characteristic good humor and the infectious Eisenhower grin he replied to the charge that he is really not in command of the government by saying, "I will tell you this. If I'm not running the executive part of this government, then I'm the man that's mostly fooled in this nation."

Such answers are characteristic of a new Eisenhower interest—a political-mindedness. He paid little attention to politics until after the 1954 elections, when he intently studied the returns. Since then his interest has been building up. All fall he has been harrying Len Hall with queries as he reads his political news: "What are we doing about this?" and "Who's taking care of that?" He has grown hyperconscious of words and phraseology. He admired the first draft of his Lexington, Ky. speech as written by Arthur ("The New Republicanism") Larson, and then rewrote it so intensively that his secretary, Ann Whitman, could barely decipher the scratchings. Bridling at Stevenson's attacks, especially on the "General Motors issue," he chafed to get campaigning himself. He likes political crowds: "I can't help responding when people yell at me. I yell back at them and lose my voice."

That voice will have to swing the 1956 election for his minority Republican party. If it wins him a second term, even while his party is otherwise losing, it will still have a permanent effect on his party. Despite the constitutional two-term limitation, I'm

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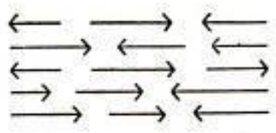


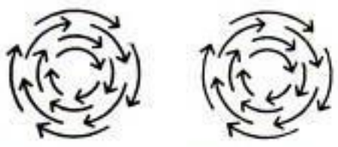
NEW G.O.P. STRENGTH is seen in suburbs full of onetime city Democrats. Survey of Levittown, N.Y. (*above*) showed 63% once rented apartments. Owning homes helped convert them; in 1952 Levittown voted 2–1 for Eisenhower.

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Up to now, electric shavers have used a straight back-and-forth action – the blades changing direction thousands of times a minute. This often pinched and pulled, made irritation the price of a clean shave.





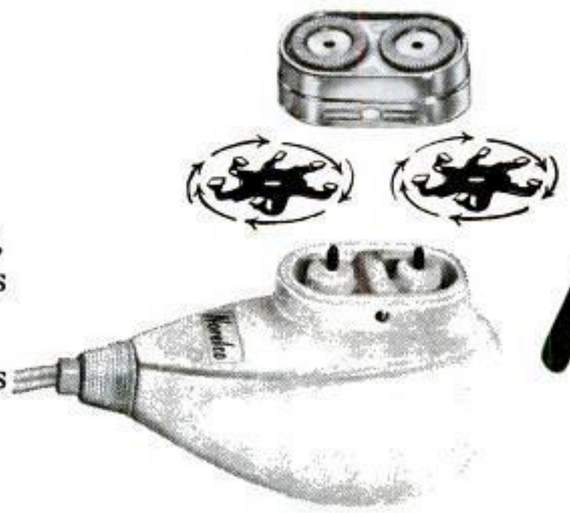
Only *Rotary Blades* shave closely without skin irritation, and only Norelco has tested Rotary Blades. Norelco's blades never stop, never change direction; shave with the smooth, *continuous* stroke of a barber's razor.

Suddenly *every* man can get a clean, close, comfortable shave with an electric shaver. Soon every man you know will be using one. Using a Norelco – because Norelco's Rotary Blades mean no razor burn, no break-in period, no "half-shaved" feeling, no soap-and-water fuss.

Here's how Norelco's Rotary Blades work:

Precision silver-steel alloy blades rotate beneath stationary skin-guards, shaving off whiskers in one continuous sweep of power.

Exclusive with Norelco, Rotary Blades are electric shaving's first basic improvement in 22 years.



Discover for yourself why this remarkable precision shaving instrument. the largest-selling electric shaver in the world, is now the fastest-growing shaver in the U. S. . . . and the best investment you can make in shaving comfort.

8 MORE REASONS WHY YOU'LL LOVE A NORELCO

1. **You can shave as close as you like without hurting your face. Blades are self-adjusting to your shaving touch.**
2. **Blades sharpen themselves every time you shave.**
3. **Genuine brush motor never heats up in hand.**
4. **Lubricated for life – never needs oiling.**
5. **Startlingly quiet – quietest of all 4 leading shavers.**
6. **Modern design – made to fit comfortably in the hand.**
7. **Easiest shaver to clean – no fumbling with parts.**
8. **Norelco's exclusive skin stretcher upends whiskers no matter which way they grow . . . sets them up for skin-close shaves.**

Ask about 15 day FREE home trial. Offered by most drug, jewelry, appliance and department stores.

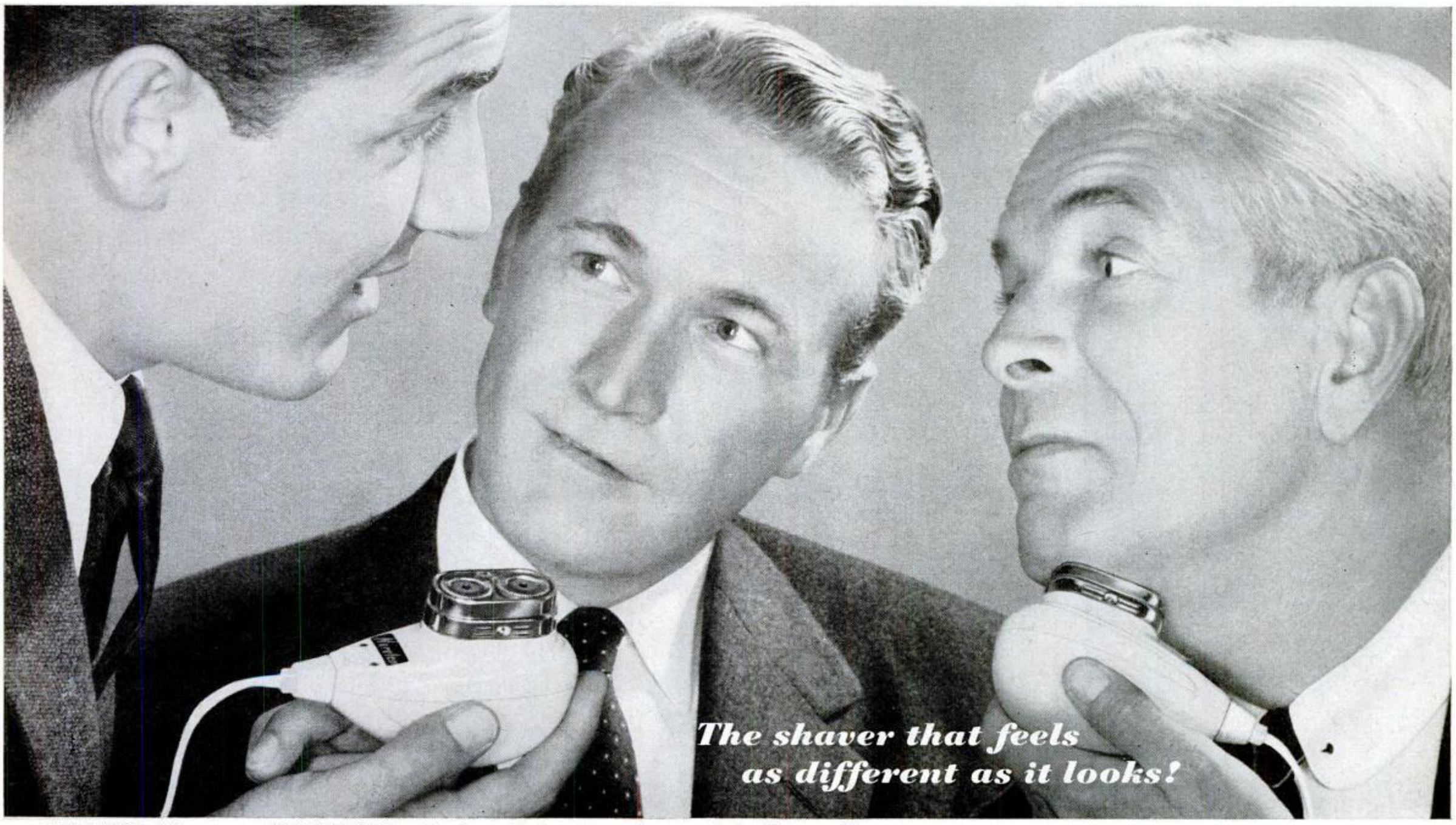
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Your cold develops in 5 stages

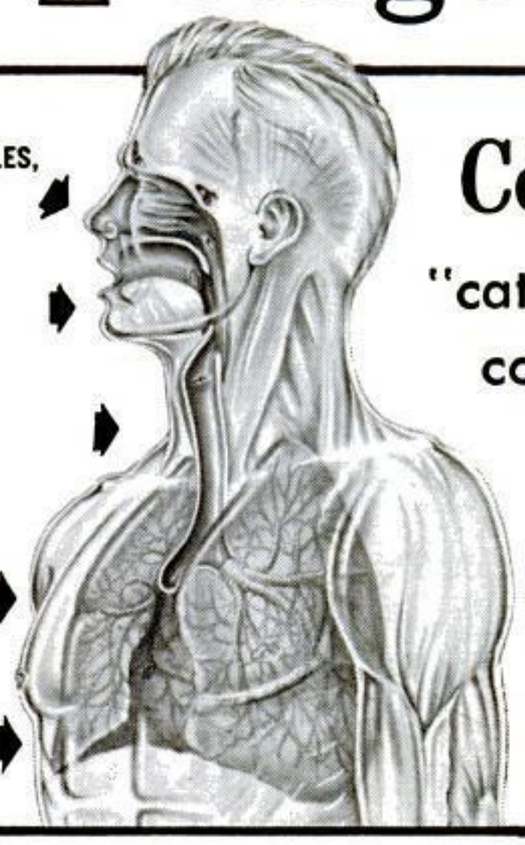
1 SNEEZING, SNIFFLES, STUFFY NOSE

2 SORE THROAT

3 CONSTANT COUGHING

4 TIGHT CHEST

5 MUSCULAR ACHES



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500 Watt—Fan cooled—for 2 x 2 slides in any mount

Touch Bar control does it all electrically. Just sit back and relax. Use remote control from across the room or set the automatic timer to run itself. So automatic that room light turns off when projector turns on!

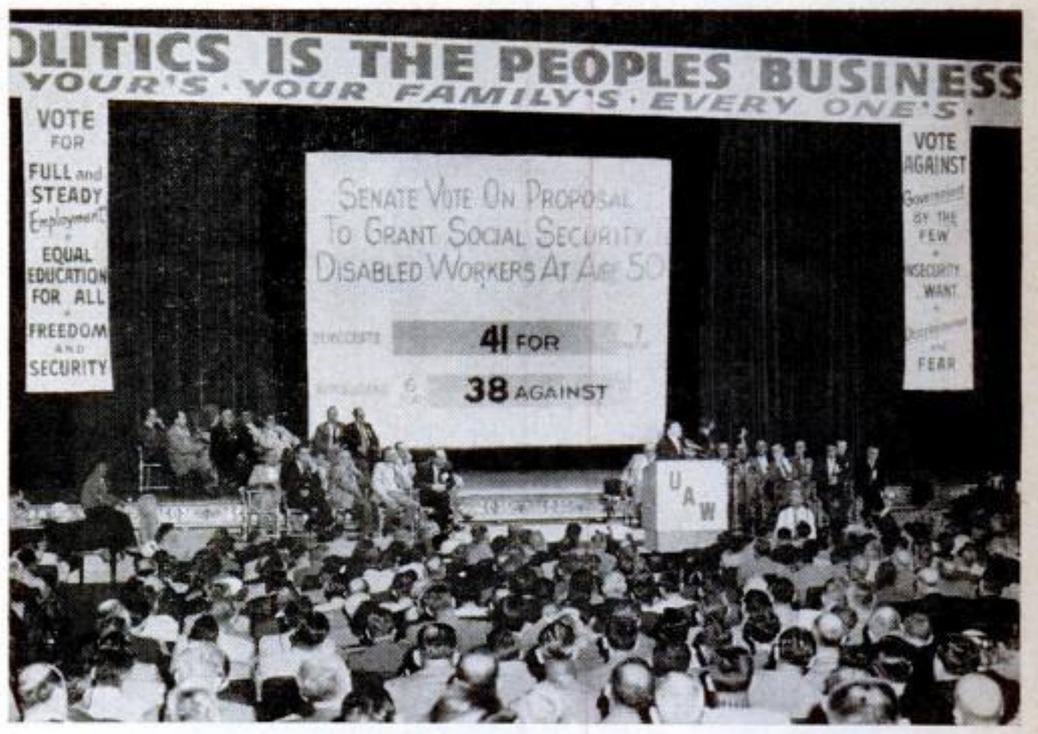


PROJECT-O-MATIC

300 Watt fan cooled Automatic 2x2 slide projector. $79.50 Incl. Case, 6 trays

500 Watt Model $88.50

VIEWLEX Long Island City 1, N.Y.



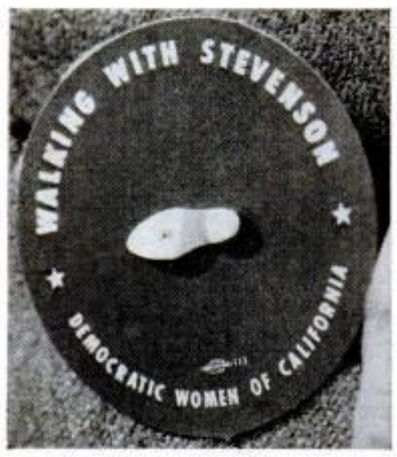
UNION SUPPORT is a major contribution to the Democratic strength. Here United Auto Workers hold a special election convention in Detroit, in which 3,000 delegates voted to support Stevenson and Kefauver in this campaign.

EISENHOWER VS. DEMOCRATS CONTINUED

convinced that Eisenhower will be more political-minded, more concerned with the Republican party, than he was in his first years in the White House.

The political change in Eisenhower is one of his party's biggest assets. There are other Republican assets on the political horizon. If they turn out to be not yet strong enough to win this election, at least they hold the promise of affecting successive elections.

Most significant is the swing to Republicanism by young voters. Twenty years ago less than a third of the 21-to-29-year-olds voted Republican. This year for the first time, if public opinion polls are right, a majority of young voters will vote Republican. One sampling even indicates that Ike's margin among them will be almost 2 to 1. Counting 18-year-olds in Kentucky and Georgia, where they can vote, there are 7.5 million new potential voters this year.



EMBLEM of the Democrats is hole in sole, from famous 1952 picture of Adlai's shoe.

Campaign crowds bear out the youthful swing to Republicans. At Peoria, Ill. and Lexington, Ky. half of Ike's audiences were exuberant college students. Republican clubs on college campuses have quadrupled in less than 10 years. I was with Nixon in Nashville, Tenn. when more than 1,000 young Republicans gave him a midnight welcome at the airport with red flares, rebel yells and a student band. The Vice President outdrew Kefauver by 50% on the University of Louisville campus. It seems to me that the "junior eggheads," as Nixon delightedly labels them, are tending toward Republicanism for the same reason that young voters tended to be Democratic in preceding elections: their fresh political consciousness is attracted by whichever party is proposing the ideas, making the decisions and setting the pace of national politics.

Youth, homes, women and Eisenhower

OTHER possible pro-Republican factors are by-products of prosperity and the expanding middle class, which have turned the country more conservative, and of the flight to the suburbs and the rise in home ownership, which have produced whole new Republican areas. "It takes two years to convert 'em," a Republican leader of a New York suburb told me, explaining how city Democrats change political habits after moving to his area. "Our best campaign document is a mortgage. Buy a house and vote Republican." Home ownership brings an awareness of tax rates, inflation, balanced budgets and "sound" dollars, and professional politicians report that it has a political effect on even the most instinctive Democrats.

As a race, Negroes have been overwhelmingly loyal to the Democratic party since Franklin Roosevelt's day. But as a few of them begin to move out of the cities into their own mortgaged suburban homes, they too lose their Democratic instincts.

CONTINUED

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YOUTH FOR STEVENSON escort candidate to park bandstand in Fresno, Calif. A predominantly youthful crowd of over 5,000 heard him speak here.

EISENHOWER VS. DEMOCRATS CONTINUED

For the first time since they were given the right to vote in 1920, women probably will outnumber men at the polls this November. By all past performances, this should be a Republican asset. Political scientists are still arguing whether or not it was the women's vote that swept Ike into the White House in 1952 (many practical politicians assume it was), but a study of three elections shows that women vote Republican more than men by 4% to 5%. Whatever the explanation may be (one pollster guesses it lies solely in the failure of normally Democratic working-class women to go to the polls), the fact will be an increasing Republican asset in future elections, assuming that the female mind does not change. Women outlive men, hence tend to outnumber them, and this year there should be 2.5 million more women voters than men.

But despite their new assets of youth, homes, women—and Eisenhower—the Republicans as a party are still trailing as the election starts down the homestretch. Exuberant Democrats are reminding themselves of the local victories since 1952 and are claiming that Eisenhower has lost more elections than any other Republican President in history. Some Democrats are already forecasting victory—for their party. "We'll be in by about 60 seats," predicts Speaker of the House Sam Rayburn. One nonpartisan survey of Senate races shows that if the two parties get even breaks, if "tending Democratic" seats go Democratic, "tending Republican" go Republican, and doubtful seats split evenly, the Senate will be 50-46 Democratic.

What the Republicans can do to upset these gleeful predictions may depend upon the possible G.O.P. assets I've mentioned—the rising Republican vote of women, home owners and youth. But these contributions to the Republican vote may not be enough to affect the 1956 congressional races significantly. The main weapon against the Democratic army remains the great pulling power of the head of the party, who is enlarging—and increasingly enjoying—his role as a champion political campaigner.



YOUTH FOR NIXON all but swallow him up at Indianapolis. On campuses he has proved a big draw and he has made special efforts to reach the young.

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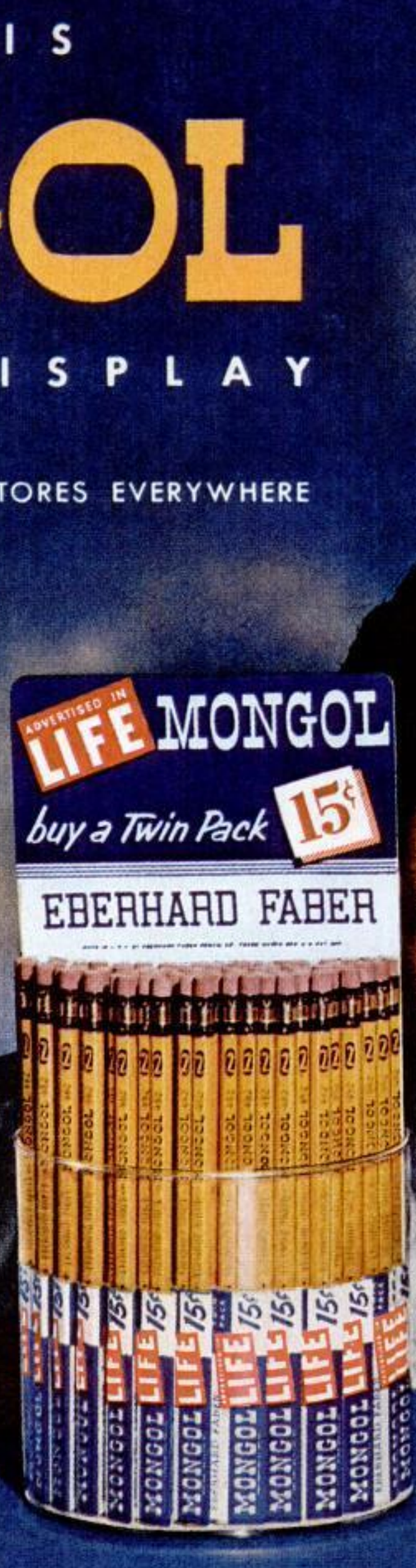
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A Big Day for the Camargo Hunt



JOINT MASTER OF THE HUNT LUCIEN WULSIN LEADS FIELD IN FOX HUNTER CLASS

CINCINNATI SOCIALITES FOLLOW RIGOROUS RIDE WITH A LATE DANCE

One wing of the Cincinnati social set begins its season not with a tulle-and-taffeta late evening dinner dance but with a bracing early morning gallop. On a recent Indian summer day more than 100 members and guests of the 45-family Camargo Hunt turned out in top hats or derbies and pink or black riding coats to match horses and horsemanship at the annual hunter trials. The riders gathered at the seven-jump course on the Indian Hill farm of Mr. and Mrs. Warner Atkins. Some entries took the jumps singly, others in matched teams of three. To end the trials the hunt's joint master, Lucien Wulsin, aided by a professional huntsman and an honorary "whip," led 12 entrants into the fox hunter class.

This wound up the day for the horses but for the riders it was only the beginning. They gathered in the Atkins home for cocktails, tea and horse talk, then dispersed to regroup later at the Camargo Country Club for a ball. The men wore scarlet swallowtail suits, the women some of the most stunning gowns west of Paris. At dinner langouste remolade, Rock Cornish game hen with Liebfraumilch (1945) preceded the zabaglione. Then guests danced on until 2. It was a full but not completely exhausting day because many partygoers were riding again at 10:30 the next morning.



AT her Four Winds Farm, where the Camargo hunter trials were held, Mrs. Warner Atkins (*seated, right*) serves tea and cocktails to weary riders and their guests. Beside her at the table is her mother, Mrs. Ross Beatty of Chicago, and standing behind them are Dr. John B. Campbell and his wife of Indian Hill. At the far left is John Miller, Indianapolis banker, who took first place with his 7-year-old Reflection in the hunt's lightweight hunter class. In doorway is Miss Patricia Chase of Indian Hill, who rode in intermediate horsemanship and hunter hack events.

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CHECKING program before running of lightweight hunters event in which he rode, Philip V. Schneider of Cincinnati goes over list of entrants with Mrs. Jack Bass of Nashville, Tenn.



LUNCH in the field is eaten by Philip J. Schneider, one of the hunt's sponsors, who watched his son, Philip V. (*picture at left*), get thrown from his mount twice during trials.



DURING pause between events Christy Firestone of Akron is congratulated by William Haggard III of Nashville's Hillsboro Hounds. Miss Firestone was second in three events.



TOP-HATTED Olympic equestrian team qualifier William Haggard takes his 7-year-old Trecla across 4-foot jump during judging in open hunters class.



WINNER in the nonqualified working hunters class, riding her 7-year-old, Mrs. Howard Hively gets her trophy from Mrs. Carl Berger of Indian Hill.

AT HUNT BALL PHILIP J. SCHNEIDER, WHO IS A PROMINENT LAWYER, DOES



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IN evening at the ball, joint master of the hunt John Clippinger, partner in Cincinnati's Taft, Stettinius and Hollister law firm, looks on at dancers with Mrs. Don Arnold of Miami.



WITH her weekend guest Richard Van Zandt of Huntington, W.Va. as an interested listener, Mrs. Howard Hively, secretary of the trials committee, explains the hunt customs.



STUFFED FOX, property of the club, stands on bar at the ball. Behind it is piano manufacturer Lucien Wulsin, president of Baldwin Co., who has been a trials sponsor for 16 years.

LIVELY CHARLESTON WITH MRS. WARNER ATKINS, THE DAYTIME HOSTESS



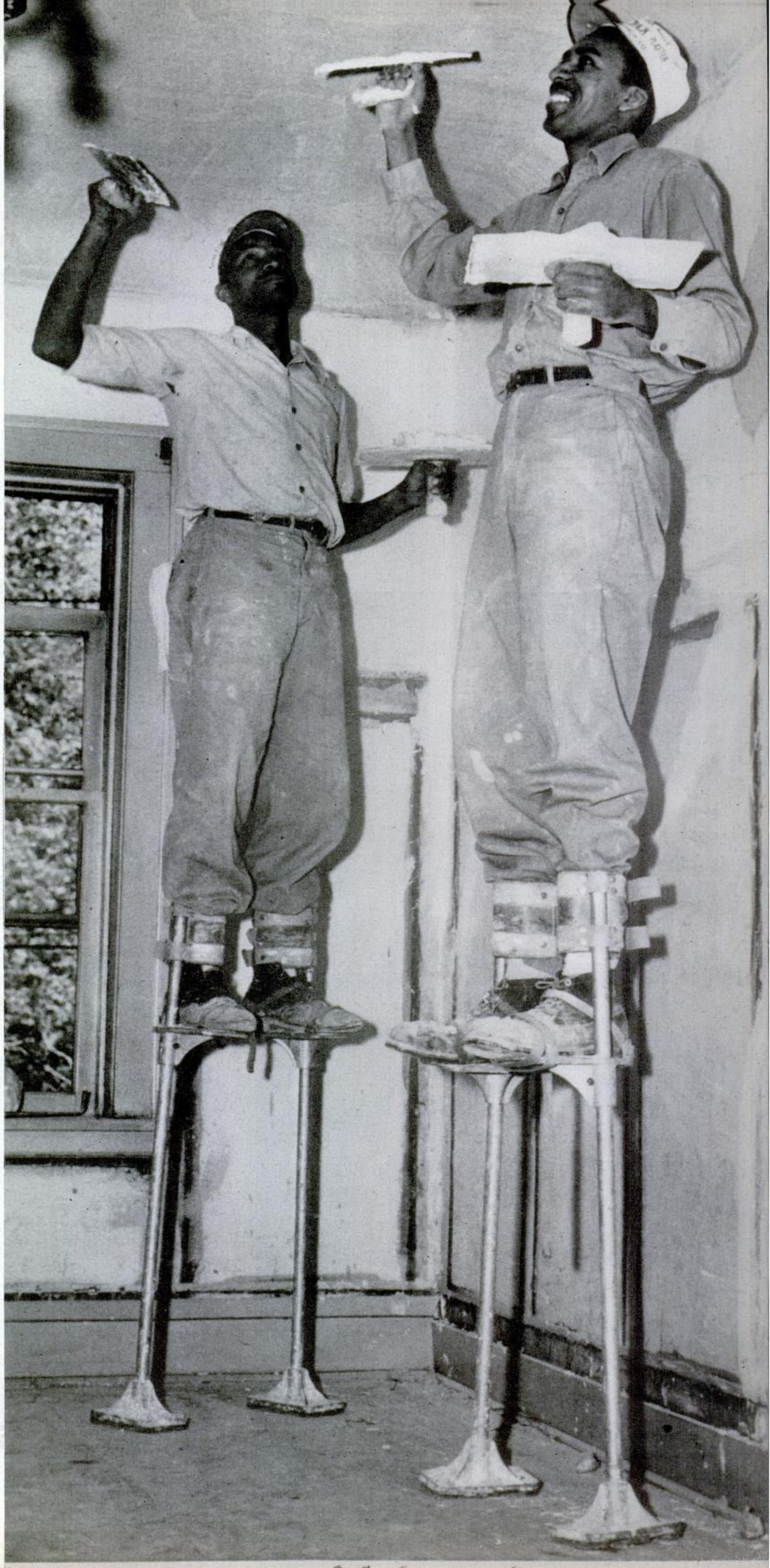


AT ball dinner the guests sit at a single T-shaped table which held all 90 of them. There were a few speeches, all brief and all about the Camargo Hunt.

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UNDERPINS CUT DOWN OVERHEAD

In the modern age of highly specialized tools there is an easy way to do almost everything. For 14 years Garry Washington, a Cleveland plasterer, had been looking for a way to plaster a ceiling without constantly getting down to move the ladders and scaffolding. Thumbing through a plasterers' catalogue, he found the very thing: a pair of light steel stilts. Washington bought two pairs. When he and his helper, William Rainey (*left*), plastered a ceiling without once getting down to shift their props, Washington decided that they were worth every penny of the $70 a pair he had paid for them.



Some men never settle for less than satisfying Ballantine...

that's Ale, brother!



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